



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

400 Seventh Street, S.W.
Washington, D.C. 20590

Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

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AUTO SAFETY HOTLINE
(800) 424-9393
Wash. D.C. Area 366-0123

UMTRI - 96 - 8

VERSION 05

UM-3710-98
1998 GMC Suburban

In-depth
Vehicle
Occupant
Report

The University
of Michigan
Transportation
Research Institute

UMIVOR-UMIVOR-UMIVOR



Case Vehicle (A): 1998 GMC
 Type: Suburban SLE, 4-door 4 x 4 APV
 Driver: 18-year-old male
 CDC: Ø1-FZEW-2, Ø3-RBEN-1

Veh. (B): 1993 Buick
 Type: Regal Custom, 4-door sedan
 Driver: 61-year-old female
 CDC: Ø9-LPEW-3, Ø9-LBEE-1

Situation

(Slide 1) Case vehicle (A) was traveling north up a hill at an unknown speed, (slide 2) on a two-lane asphalt road in a rural residential/agricultural area. It was daylight, the sky was clear, and the road surface was dry and in good condition. (Slide 3) Vehicle (B) was stopped at the crest of a hill, at a “stop sign” facing west, on a two-lane gravel road. As case vehicle (A) approached the intersection at the crest of the hill, the driver did not see the stop sign and failed to stop. Case vehicle (A) struck vehicle (B) in the left-front fender with its right-front. Vehicle (B) rotated clockwise and then the right-rear quarter panel of case vehicle (A) struck the left-rear corner of vehicle (B), in a slap-together motion. (Slide 4) Case vehicle (A) came to rest facing north, just off the west edge of the road surface. Vehicle (B) came to rest facing north in the northbound lane.

(Slide 5) Damage to vehicle (B) was moderate. The maximum crush was 19 cm to the left-front fender just in front of the left wheel.

Using the WinSMASH accident-reconstruction program and (slides 6, 7 and 8) c-values measured for case vehicle (A) and (slides 9, 10 and 11) vehicle (B), the following crash severities were calculated for the frontal impact:

Vehicle	Variable	Calculated Velocity Change - kph (mph)		
		Total	Longitudinal	Latitudinal
Case Vehicle (A)	EBS	31 (19)	-30 (-19)	-5 (-3)
	Delta V	20 (12)	-20 (-12)	-3 (-2)
Vehicle (B)	EBS	19 (12)	-3 (-2)	19 (12)
	Delta V	29 (18)	-5 (-3)	29 (18)

Exterior Damage

(Slide 12) Damage to case vehicle (A) was moderate. (Slide 13) The maximum crush was 31 cm to the right-center of the front bumper. (Slide 14) Using the undamaged portion of the front bumper (74 cm) and an undeformed end width (UEW) of 180 cm, the front-end overlap was calculated to be 59 percent. The vehicle overlap was calculated to be 58 percent using the overall width of 195 cm.

In the front, (slide 15) the grille, right headlight assembly, hood, and hood latch were damaged, the hood latch was jammed closed (pried opened by the body shop), and the rear edge of the hood was elevated, but it did not contact the undamaged windshield. (Slides 16 and 17) The engine compartment was damaged. On the right side, (slide 18) the front fender was damaged, and the front tire was flat, (slide 19) but there was no significant change in the wheelbase. On the left side, (slide 20) the front fender was damaged, but there was no significant change in the wheelbase. (Slide 21) There was no damage to the rear of the vehicle.

(Slide 22) The maximum right-side crush from the slap-together impact was 4 cm to the right-rear quarter panel.

Interior Damage

(Slide 23) This vehicle was equipped with steering-wheel and (slide 24) passenger frontal-impact airbags, which deployed. (Slides 25, 26 and 27) There was no damage to the steering-wheel rim or spokes, and no apparent rotation of the steering column. (Slides 28, 29, 30, 31, 32 and 33) There was no apparent damage to the interior.

Occupant Injuries and Kinematics

(Slide 34) The 5-ft, 11-in, 18-year-old male driver was wearing the three-point belt and (slide 35) the frontal-impact airbag deployed. A webbing imprint on the plastic D-ring is evidence of belt use during the crash. (Slide 36) The male driver of case vehicle (A) did not sustain any injuries, as noted in the attached table.

Occupant: Driver
Restraints: 3-point belt worn and airbag deployed

Age: 18 years
Stature: 180 cm (5 ft 11 in)

Sex: Male
Mass: 95 kg (210 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
No injury				
<u>Maximum A.I.S. Level</u>	<u>0</u>			
<u>Injury Severity Score</u>	<u>0</u>			

TEAM CODE	<u>3</u> <u>0</u>	NO. OF CASE VEHICLES IN ACCIDENT	<u>1</u>
ACCIDENT ID	<u>0</u> <u>3</u> <u>7</u> <u>1</u> <u>0</u>	NUMBER OF SLIDES	<u>3</u> <u>6</u>
VEHICLE NUMBER	<u>1</u> <u>8</u>	TEAM REPORT NUMBER	
MODULE	<u>A</u> <u>9</u>	<u>D</u>	<u>U</u> <u>M</u> <u>-</u> <u>3</u> <u>7</u> <u>1</u> <u>0</u> <u>-</u> <u>9</u> <u>8</u>
FORMAT	<u>0</u> <u>11</u>	<u>1</u>	<u>18</u> <u>27</u>
FORM VERSION	<u>0</u> <u>13</u>	<u>5</u>	<u>28</u> <u>37</u>

SPECIAL STUDY	<u>9</u> <u>9</u>
(00) None	<u>38</u>
(01) Offset Frontal	<u>39</u>
(98) Not Applicable	

DATE OF FIELD INVESTIGATION: [REDACTED], 98

INVESTIGATOR: [REDACTED]

LOCATION WHERE VEHICLE WAS EVALUATED:

[REDACTED], MichiganCIRCLE PHOTO RECORDS MADE:

SLIDES

NEGATIVES

POLAROIDS

REPORT PREPARED BY: [REDACTED]

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from the previous card.Module G 1 Format 0 1
9 10 11 12

GENERAL INFORMATION GI-1

TIME		ENVIRONMENTAL CONDITIONS	
DATE OF COLLISION <u>9 8</u> m m d d y y		CONSTRUCTION ZONE	
HOUR OF COLLISION <u>0 8 4 8</u> (24 HOUR CLOCK)		(0) NO (1) YES (9) UNKNOWN	
LOCATION STATE: <u>Michigan</u>		ROAD ALIGNMENT VERTICAL PLANE	
STATE FIPS CODE <u>2 6</u> 23 24		(1) LEVEL (2) CREST OF HILL (3) SLOPE (2%) (4) BOTTOM OF HILL (9) UNKNOWN	
AREA (1) URBAN (2) RURAL (9) UNKNOWN		ROAD ALIGNMENT HORIZONTAL PLANE	
		(1) STRAIGHT (2) CURVE (3) T-SHAPED (4) Y-SHAPED (7) OTHER: _____ (9) UNKNOWN	
ENVIRONMENTAL CONDITIONS		SURFACE COVERING	
LIMITED-ACCESS HIGHWAY (0) NO (1) YES (9) UNKNOWN		(10) DRY D 26 (21) WATER - DAMP (22) WATER - WET (23) WATER - PUDDLED (29) WATER - AMOUNT UNKNOWN	
ROAD, TOTAL TRAFFIC LANES (FOR CASE VEHICLE) (1) 1-LANE (2) 2-LANES (3) 3-LANES (4) 4 OR MORE LANES (5) DIVIDED, 4 OR MORE LANES (6) PARKING LOT/DRIVeway (7) OTHER: _____ (9) UNKNOWN		(31) SNOW - LOOSE (32) SNOW - PACKED (39) SNOW - CONDITION UNKNOWN 2 27 (41) ICE (51) SLUSH (61) SPILLED GRAVEL (71) OTHER: _____ (99) UNKNOWN	
INTERSECTING RD, TOTAL LANES CHOOSE FROM ABOVE LIST, OR (8) NOT APPLICABLE		VISIBILITY LIMITATION (FOR CASE VEHICLE)	
		(0) NONE (1) CLOUDY/DARK (2) FOG (3) SMOKE (4) WINDSHIELD CONDITION (5) GLARE (6) RAIN (7) OTHER: _____ (8) ICE/SNOW (9) UNKNOWN	
TYPE OF ROAD SURFACE (1) ASPHALT (2) CONCRETE (3) GRAVEL (4) MORE THAN ONE (CIRCLE EACH) (7) OTHER: _____ (9) UNKNOWN		VISIBILITY OBSTRUCTION (FOR CASE VEHICLE)	
		(0) NONE (1) BUILDING (2) SIGN (3) VEGETATION (E.G. BUSHES, SHRUBS) (4) TREE (5) HILL OR CURVE IN ROAD (6) VEHICLE IN TRANSPORT (7) OTHER: _____ (8) PARKED VEHICLE (9) UNKNOWN	
ROAD DEFECTS (0) NO (1) YES (9) UNKNOWN			

GENERAL INFORMATION GI-2

ENVIRONMENTAL CONDITIONS

SPEED LIMIT

(0) 5-45 km/h 5-25 mph
 (1) 46-55 30
 (2) 56-60 35
 (3) 61-70 40
 (4) 71-79 45
 (5) 80-85 50
 (6) 86-90 55
 (7) 91-105 60
 (8) OVER 105 65
 (9) UNKNOWN

4
38

PRECIPITATION

(0) NONE
 (1) RAIN
 (2) SNOW
 (3) HAIL
 (4) FREEZING RAIN/SLEET
 (7) OTHER: _____
 (9) UNKNOWN

0
39

RATE OF PRECIPITATION

(1) LIGHT/MIST
 (2) MODERATE
 (3) HEAVY
 (8) NOT APPLICABLE
 (9) UNKNOWN

8
40

TEMPERATURE

(0) BELOW -15° C BELOW 5° F
 (1) -15 TO -6 5 TO 22
 (2) -5 TO -1 23 TO 31
 (3) 0 TO 2 32 TO 36
 (4) 3 TO 5 37 TO 41
 (5) 6 TO 15 42 TO 59
 (6) 16 TO 25 60 TO 77
 (7) 26 TO 35 78 TO 95
 (8) OVER 35 OVER 96
 (9) UNKNOWN

9
41

CROSSWIND

(0) NONE
 (1) LIGHT
 (2) STRONG
 (3) GUSTY & STRONG
 (9) UNKNOWN

9
42

LIGHT CONDITIONS

(1) DAYLIGHT
 (2) DAWN
 (3) DUSK
 (4) DARK, LIGHTED
 (5) DARK, UNLIGHTED
 (6) DARK, UNKNOWN IF LIGHTED
 (9) UNKNOWN

1
43

MECHANICAL MALFUNCTION

WAS THERE MENTION
OF A MECHANICAL MALFUNCTION
IN CASE VEHICLE

(0) NO
 (1) YES
 (2) YES, DID NOT CONTRIBUTE
TO ACCIDENT
 (9) UNKNOWN

0
44

THE FOLLOWING SECTION SHOULD BE FILLED
OUT IF A MECHANICAL MALFUNCTION IS
RECOGNIZED OR SUSPECTED.

CIRCLE ITEMS INVOLVED. SUPPORT ANY
ITEMS CIRCLED WITH COMMENTS.

BRAKE SYSTEM

DRIVER CONTROLS

EXHAUST SYSTEM

POWER TRAIN

STEERING SYSTEM

FUEL SYSTEM

SUSPENSION SYSTEM

VISIBILITY ITEMS

ELECTRICAL SYSTEM

TIRES

THROTTLE CONTROLS

UNKNOWN

OTHER: _____

COMMENTS: _____

GENERAL INFORMATION GI-3

CRASH DETAILS			
CASE VEHICLE AND OBJECT		HIGHEST POLICE INJURY SEVERITY CODE IN CRASH (NOT JUST CASE VEHICLE)	
<p>(0) NO (1) YES (9) UNKNOWN</p>		<u>0</u> 45	<p>(0) O - NO INJURY (1) C - POSSIBLE INJURY (2) B - NON-INCAPACITATING INJURY (3) A - INCAPACITATING INJURY (4) K - FATAL (5) INJURED, SEVERITY UNKNOWN (6) DIED PRIOR TO ACCIDENT (7) NON-FATAL INJURY SEVERITY UNKNOWN (9) UNKNOWN</p>
CASE VEHICLE ROLLOVER		<u>0</u> 46	<u>3</u> 53
CASE VEHICLE RAN OFF ROADWAY (BEFORE FIRST IMPACT)		<u>0</u> 47	DRIVER IMPAIRMENT
<p>(0) NO (1) YES (9) UNKNOWN</p>		DRIVER ALCOHOL INVOLVEMENT (CASE VEHICLE) <p>(0) NONE (1) YES (9) UNKNOWN/NOT REPORTED/ NO DRIVER</p>	
MOVING CASE VEHICLE AND CONTACTED MOVING VEHICLE		<u>1</u> 48	DRIVER ALCOHOL BAC (CASE VEHICLE) <p>(80) NO TEST (90) CHEMICAL TESTS, NO RESULTS (95) AUTOPSY, NO RESULTS (99) UNKNOWN</p>
CASE VEHICLE AND CONTACTED STOPPED VEHICLE		<u>0</u> 49	WAS THERE MENTION OF DRIVER IMPAIRMENT FOR CASE VEHICLE? <p>(0) NO (1) YES (9) UNKNOWN</p>
STOPPED CASE VEHICLE AND CONTACTED VEHICLE		<u>0</u> 50	LIST IMPAIRMENTS MENTIONED: <hr/> <hr/> <hr/>
TOTAL NUMBER OF VEHICLES CONTACTED BY CASE VEHICLE IN CRASH		<u>1</u> 51	POST - CRASH DETAIL
<p>(8) 8 OR MORE (9) UNKNOWN</p>		MANNER CASE VEHICLE LEFT SCENE <p>(1) DRIVEN (2) TOWED DUE TO DAMAGE (3) TOWED, NOT DUE TO DAMAGE (4) TOWED, REASON UNKNOWN (9) UNKNOWN</p>	
ANY FIRE IN THIS CRASH (NOT JUST CASE VEHICLE)		<u>0</u> 52	<u>2</u> 58

ACCIDENT SCHEMATIC

ACCIDENT DESCRIPTION: Case vehicle (A) was traveling north and failed to stop at a "stop sign", striking Vehicle (B) in the front-left with its right-front

CASE VEHICLE (A): 1998 GMC Suburban

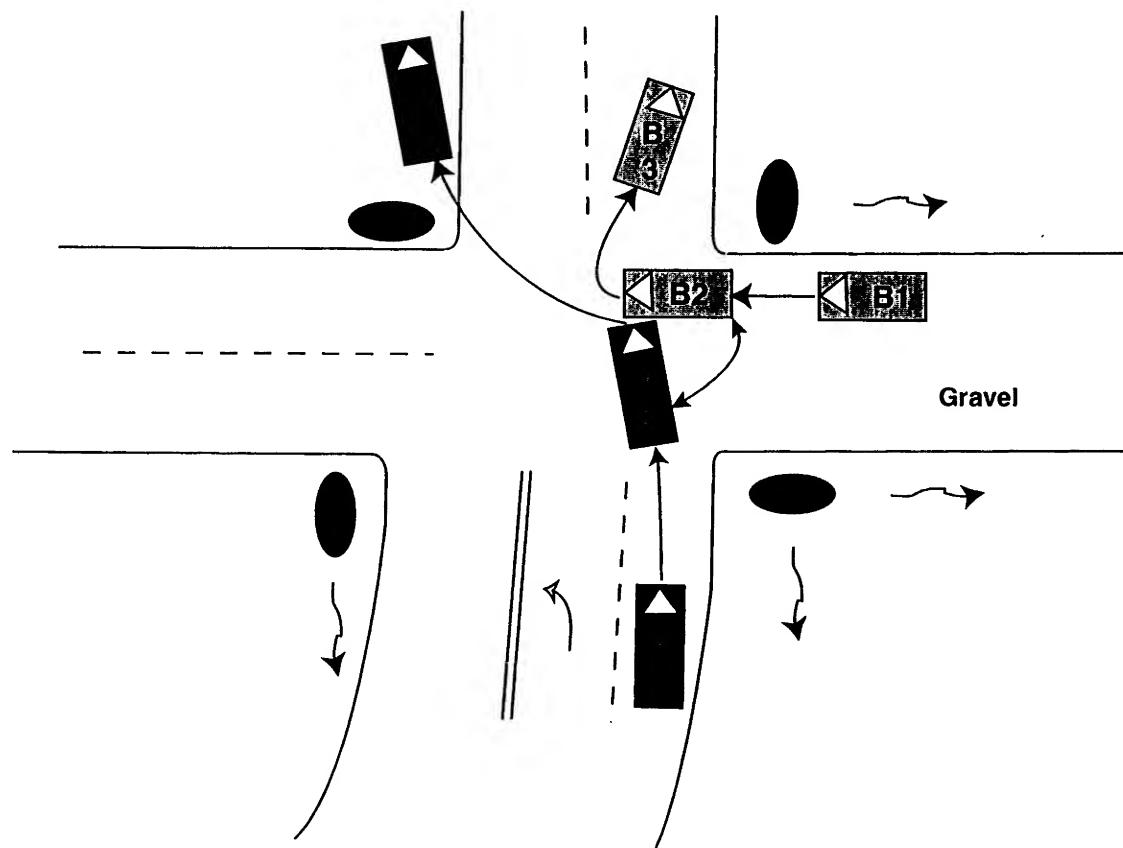
OTHER VEHICLE (B): 1993 Buick Regal

THIRD VEHICLE (C): _____

Q4



NORTH



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9 10 11 12

OTHER VEHICLE

OV-1

MAKE: BuickCARGO: - 7MODEL: Regal Custom, 4-door sedan

VIN

13

29

MANUFAC/BODY CODE

2 1 1 2 8
30 34

MAKE/MODEL CODE

0 4 5 2
382 8
54 55

MODEL YEAR

19 9 3

VEHICLE MASS (kg)

0 0 1 5 1 8
41 46IF SEPARATE REPORT WAS MADE,
GIVE VEHICLE NUMBER0NUMBER OF OCCUPANTS
(ENTER 9'S IF UNKNOWN)0 1
49

TRAVELING SPEED (km/h)

9 9 5
52

- (000) PARKED OR STOPPED
- (995) JUST STARTING UP
- (996) BACKING UP
- (997) SPEED NOT EXCESSIVE (BUT UNKNOWN)
- (998) SPEED EXCESSIVE (BUT UNKNOWN)
- (999) UNKNOWN

HIGHEST POLICE INJURY SEVERITY
CODE FOR THIS VEHICLE3
53

- (0) O - NO INJURY
- (1) C - POSSIBLE INJURY
- (2) B - NON-INCAPACITATING INJURY
- (3) A - INCAPACITATING INJURY
- (4) K - FATAL
- (5) INJURED, SEVERITY UNKNOWN
- (6) DIED PRIOR TO ACCIDENT
- (7) NON-FATAL INJURY
SEVERITY UNKNOWN
- (8) UNOCCUPIED VEHICLE
(NOT APPLICABLE)
- (9) UNKNOWN

VEHICLE TYPE

PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP CAR
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

MULTIPURPOSE PASSENGER VEHICLE

- (14) SMALL UTILITY (WHEELBASE LESS THAN 107".
E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107".
E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

TRUCK

- (11) VAN
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)
- (68) TRAIN (CARS)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)
- (99) UNKNOWN

WHEELBASE (cm)

(999) UNKNOWN

2 7 3
56 57 58

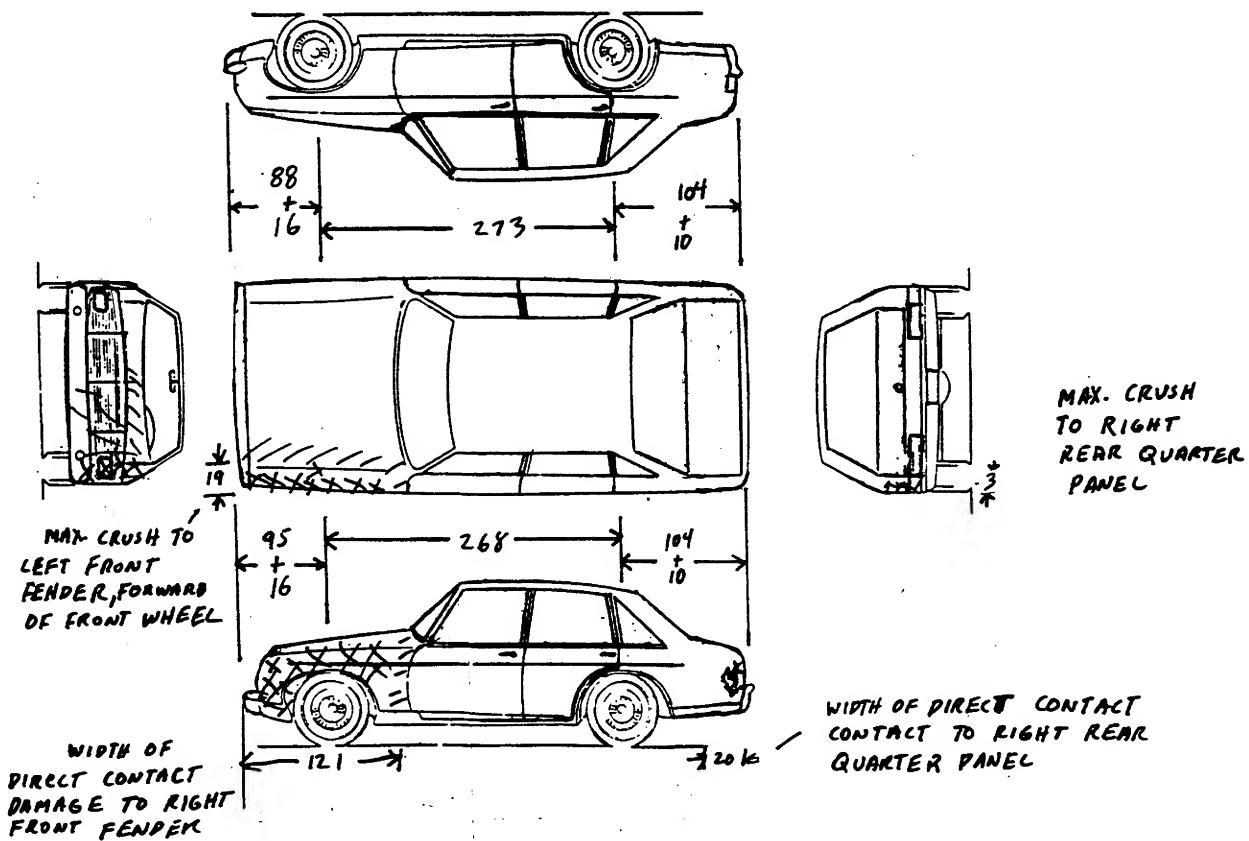
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9 V
10 Format 0
11 2
12

OTHER VEHICLE OV-2

ORIGINAL SPECIFICATIONS

Wheelbase	<u>273</u> cm	Front Overhang	<u>1</u> <u>1</u> <u>1</u> cm <u>22</u> <u>24</u>
Curb Weight	<u>1518</u> kg	Rear Overhang	<u>1</u> <u>1</u> <u>1</u> cm <u>25</u> <u>27</u>
Average Track Width	<u>1</u> <u>4</u> <u>9</u> cm <u>13</u> <u>15</u>	Undeformed End Width (UEW)	<u>1</u> <u>6</u> <u>2</u> cm <u>28</u> <u>30</u>
Overall Length	<u>4</u> <u>9</u> <u>5</u> cm <u>16</u> <u>18</u>	Engine Displacement	<u>3</u> . <u>8</u> L <u>31</u> <u>32</u>
Overall Width (OAW)	<u>1</u> <u>8</u> <u>4</u> cm <u>19</u> <u>21</u>	Engine: # of Cylinders	<u>0</u> <u>6</u> <u>33</u> <u>34</u>

VEHICLE DAMAGE



FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL)

9 9 9 cm
35 37Front-End Overlap (Percent) = DDL _____
UEW9 9 %
38 39Vehicle Overlap (Percent) = DDL + 1/2 (OAW - UEW) _____
OAW9 9 %
40 41

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from the previous card.Module V 9 D 10 Format 0 11 1 12

VEHICLE DESCRIPTION VD-1

MAKE: GMCMODEL: Suburban SLE, 4x4 SUV

CARGO: _____

VIN

13

29

MANUFAC/BODY CODE

1 1 6 1 5

30

34

MAKE/MODEL CODE

3 0 0 3

38

8
60

MODEL YEAR

1 9 9 8

VEHICLE MASS (kg)

0 0 2 5 1 8

41

46

ODOMETER (km)

14,488 miles

(ENTER 9'S IF UNKNOWN)

47

52

(ENTER 8'S IF ELECTRONIC)

47

52

NUMBER OF OCCUPANTS

0 1

54

TRAVELING SPEED (km/h)

9 9 9

57

- (000) PARKED OR STOPPED
- (995) JUST STARTING UP
- (996) BACKING UP
- (997) SPEED NOT EXCESSIVE (BUT UNKNOWN)
- (998) SPEED EXCESSIVE (BUT UNKNOWN)
- (999) UNKNOWN

VEHICLE TYPE

PASSENGER VEHICLE

- (11) 2-DOOR HARDTOP (NO UPPER B-PILLAR)
- (12) 2-DOOR SEDAN OR COUPE (ANY UPPER B-PILLAR)
- (13) 4-DOOR HARDTOP
- (14) 4-DOOR SEDAN
- (15) STATION WAGON
- (16) CONVERTIBLE
- (18) OTHER PASS. VEH. : _____
- (19) PASSENGER VEHICLE, TYPE UNKNOWN

2 2

58 59

MULTIPURPOSE PASSENGER VEHICLE

- (21) SMALL UTILITY (E.G. JEEP, SCOUT, BRONCO)
- (22) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (23) VAN, SIZE UNKNOWN
- (24) VAN, SMALL (MINI)
- (25) VAN, LARGE
- (29) MPV, TYPE UNKNOWN
- (30) MOTOR HOME

TRUCK

- (31) PICKUP TRUCK, UNKNOWN
- (32) PICKUP TRUCK, SMALL (DOWNSIZED)
- (33) PICKUP TRUCK, LARGE
- (99) UNKNOWN

STOLEN VEHICLE

- (0) NO
- (1) YES
- (8) NOT COLLECTED
- (9) UNKNOWN

BODY STRUCTURE

- (1) BODY & FRAME
- (2) UNITIZED
- (3) INTEGRAL-STUB FRAME
- (4) BODY & PLATFORM FRAME (E.G. VW BUG)
- (5) PARTIALLY UNITIZED
- (7) OTHER: _____
- (9) UNKNOWN

1
61

TRANSMISSION

- (0) NONE
- (1) AUTOMATIC
- (2) MANUAL
- (9) UNKNOWN

1
62

LOCATION OF TRANSMISSION SELECTOR LEVER

- (1) FLOOR
- (2) CONSOLE
- (3) COLUMN
- (7) OTHER: _____
- (9) UNKNOWN

3
63

STEERING

- (1) POWER
- (2) MANUAL
- (9) UNKNOWN

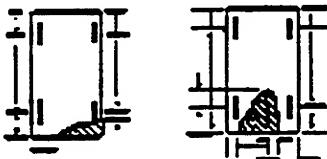
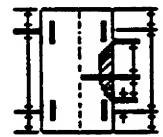
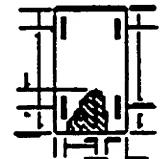
1
64

BRAKES

- (1) POWER
- (2) MANUAL
- (9) UNKNOWN

1
65

VEHICLE DESCRIPTION VD-2

TYPE OF BRAKES	<u>2</u> 66	WHEELBASE (cm) (999) Unknown	<u>3 3 4</u> 74 75 76
BRAKE ANTI-LOCK DEVICE	<u>2</u> 67	PLASTIC ANTI-LACERATIVE INNER LAYER GLASS EQUIPPED	<u>0</u> 77
AIR CONDITIONING IN VEHICLE	<u>8</u> 68	(0) NONE (1) WINDSHIELD (2) WINDSHIELD AND SIDE (7) OTHER (9) UNKNOWN	
TYPE OF DRIVE	<u>1</u> 69	FIELD INVESTIGATOR INSTRUCTIONS:	
(1) REAR WHEEL (2) FRONT WHEEL (3) FOUR WHEEL (4) ALL WHEEL DRIVE (9) UNKNOWN		<ol style="list-style-type: none"> 1. INDICATE CRUSHED AREAS BY OUT-LINING NEW PERIMETER OF VEHICLE AND SHADING THE DAMAGED AREAS ON THE LARGE SKETCH ON PAGE VD-3. USE AS MANY SKETCHES AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE. 2. ENTER THE DIMENSIONS ON THE SKETCH(ES) MEASURED TO THE POINT OF MAXIMUM PENETRATION BY THE OBJECT(S) CONTACTED. USE THE EXAMPLES BELOW AS A GUIDE. 3. ENTER THE THREE DIMENSIONS TO THE CENTER OF THE WHEELS (WHEELBASE, FRONT AND REAR OVERHANGS) ON BOTH SIDES OF THE CAR. 4. ADD OTHER DIMENSIONS AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE. <p>EXAMPLES:</p>   	
DUAL REAR WHEELS	<u>0</u> 70		
ORIGINAL TYPE OF RESTRAINT SYSTEM	<u>3</u> 71		
(1) ACTIVE BELT (2) PASSIVE BELT (3) AIRBAG (4) KNEE BOLSTERS (7) OTHER: _____ (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN			
EQUIPPED WITH ROLL BAR	<u>0</u> 72		
TYPE OF ROOF	<u>1</u> 73		
(0) NONE (1) SOLID (2) T-TOP CLOSED (3) T-TOP OPEN (4) SUN ROOF CLOSED (5) SUN ROOF OPEN (6) CONVERTIBLE CLOSED (7) CONVERTIBLE OPEN (8) OTHER: _____ (9) UNKNOWN			

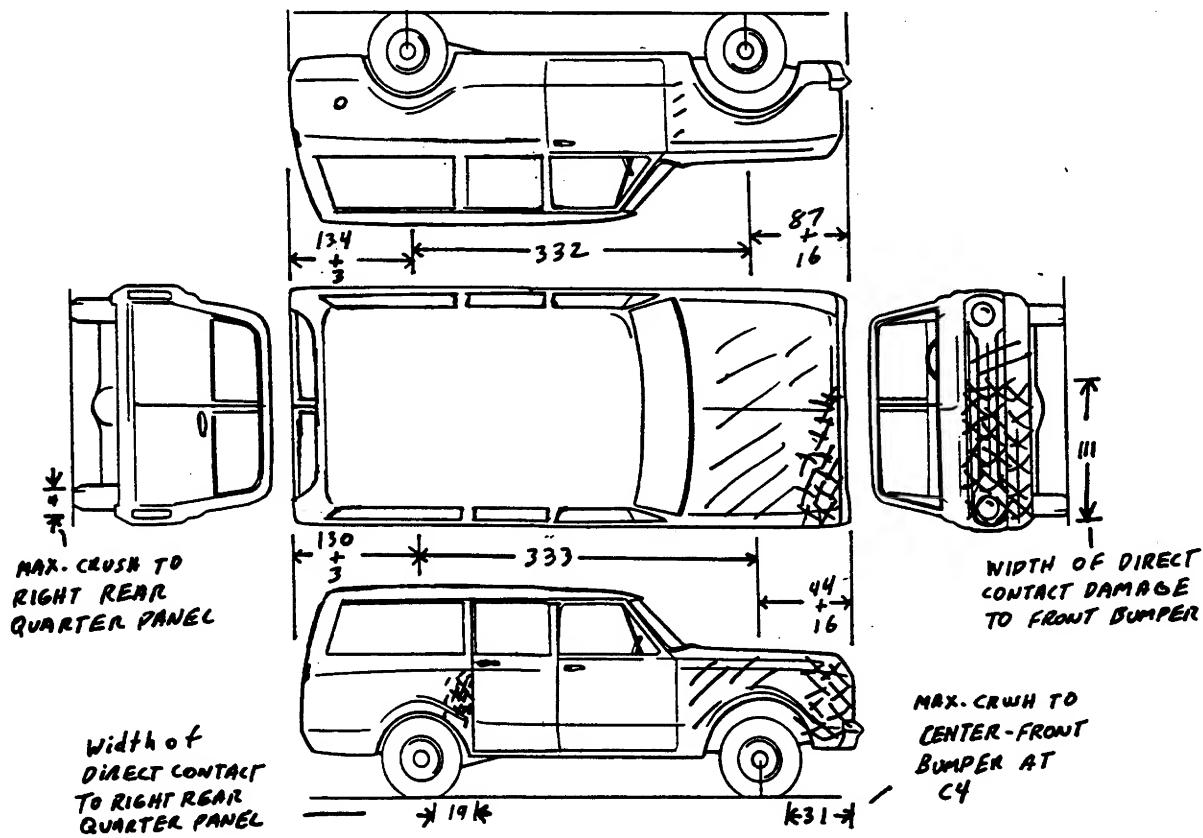
Duplicate columns 1-8
from the previous card.Module V 9 D 10 Format 0 11 2 12

VEHICLE DESCRIPTION VD-3

ORIGINAL SPECIFICATIONS

Wheelbase	<u>334</u>	cm	Front Overhang	<u>0</u> <u>9</u> <u>2</u>	cm
Curb Weight	<u>2403</u>	kg	Rear Overhang	<u>1</u> <u>3</u> <u>4</u>	cm
Average Track Width	<u>1</u> <u>6</u> <u>1</u>	cm	Undeformed End Width (UEW)	<u>1</u> <u>8</u> <u>0</u>	cm
Overall Length	<u>5</u> <u>5</u> <u>8</u>	cm	Engine Displacement	<u>5</u> <u>.1</u>	L
Overall Width (OAW)	<u>1</u> <u>9</u> <u>5</u>	cm	Engine: # of Cylinders	<u>0</u> <u>8</u>	

VEHICLE DAMAGE



FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL)
USED UNDAMAGED LENGTH (14cm)

1 0 6

35 37
5 9
38 39

Front-End Overlap (Percent) = DDL
UEW

Vehicle Overlap (Percent) = DDL + 1/2 (OAW - UEW)
OAW

5 8
40 41

Duplicate columns 1-8 from the previous card.				Module <u>D</u> <u>A</u> Format <u>0</u> <u>2</u>	DAMAGE DA-1
PRIMARY	CASE VEHICLE PRIMARY CDC			CONTACTED VEHICLE ASSOCIATED CDC	
	1			9 9 9	
	9 9 9			9 9 9	
	1			1	
	0 3 1			0 1 9	
	0 1 F 2 E W 2			0 9 L F E W 3	
	9 8 0 0 0 0 0			9 8 0 0 0 0 0	
Duplicate columns 1-8 from the previous card.				Module <u>D</u> <u>A</u> Format <u>0</u> <u>3</u>	
SECONDARY	CASE VEHICLE SECONDARY CDC			CONTACTED VEHICLE ASSOCIATED CDC	
	2			9 9 9	
	9 9 9			9 9 9	
	1			1	
	0 0 4			0 0 3	
	0 3 R B E N 1			0 9 L B E E 1	
	9 8 0 0 0 0 0			9 8 0 0 0 0 0	
CODES					
EVENT NUMBER		IMPACT SPEED ESTIMATOR		CRUSH	
(8) NOT APPLICABLE (9) UNKNOWN		(1) INVESTIGATOR (2) DRIVER (3) POLICE (4) "CRASH" PROGRAM (5) OTHER COMPUTER PROGRAM SPECIFY: _____		(998) NOT APPLICABLE (NO VEHICLE/DAMAGE) (999) UNKNOWN	
IMPACT SPEED		(7) OTHER: _____		CDC	
(998) NOT APPLICABLE (999) UNKNOWN		(8) NOT APPLICABLE (NO VEHICLE/NO IMPACT)		(9800000) NOT APPLICABLE (9900000) UNKNOWN	

Duplicate columns 1-8
from the previous card.Module D A Format 0 1
9 10 11 12

DAMAGE DA-2

MAXIMUM SHEET METAL CRUSH

(cm) (999) UNKNOWN

FRONT 0 3 1
13 15RIGHT SIDE 0 0 4
16 18REAR 0 0 0
19 21LEFT SIDE 0 0 0
22 24ROOF 0 0 0
25 27OTHER 0 0 0
28 30CHRONOLOGICAL SEQUENCE
OF DAMAGE/INJURY PRODUCING CRASH EVENTS
FOR CASE VEHICLENOTE: IF CHRONOLOGICAL ORDER
IS UNKNOWN, EVENT
ORDER IS OPTIONAL.DO YOU KNOW THIS TABLE
TO BE IN CHRONOLOGICAL ORDER? 1
31(0) NO
(1) YES

EVENT NUMBER	IMPACT LOCATION (1) ON ROADWAY (2) SHOULDER/MEDIAN/GORE (3) ON ROADSIDE (4) OUTSIDE ROADSIDE RIGHT-OF-WAY (5) OTHER (6) OFF ROADWAY, LOC. UNK. (9) UNKNOWN	IMPACT CONFIGURATION FOR CODES, SEE TABLE ON PAGE DA-3.	OBJECT/VEHICLE CONTACTED FOR CODES, SEE TABLE ON PAGE DA-4.
# 1	<u>1</u> 32	<u>1</u> <u>3</u> 34	<u>2</u> <u>8</u> 36
#2	<u>1</u> 37	<u>4</u> <u>3</u> 39	<u>2</u> <u>8</u> 41
#3	<u>—</u> 42	<u>—</u> <u>—</u> 44	<u>—</u> <u>—</u> 46
#4	<u>—</u> 47	<u>—</u> <u>—</u> 49	<u>—</u> <u>—</u> 51
#5	<u>—</u> 52	<u>—</u> <u>—</u> 54	<u>—</u> <u>—</u> 56
#6	<u>—</u> 57	<u>—</u> <u>—</u> 59	<u>—</u> <u>—</u> 61
#7	<u>—</u> 62	<u>—</u> <u>—</u> 64	<u>—</u> <u>—</u> 66

**CODES FOR
IMPACT CONFIGURATION**

FRONT OF CASE VEHICLE

- (11) AND FRONT OF CONTACTED VEHICLE
- (13) AND SIDE OF CONTACTED VEHICLE
- (14) AND REAR OF CONTACTED VEHICLE
- (16) ENDSWIPE BY CONTACTED VEHICLE
- (17) AND OBJECT
- (19) AND UNKNOWN OTHER VEHICLE CONFIGURATION

LEFT SIDE OF CASE VEHICLE

- (21) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (22) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (23) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (24) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (25) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (26) SIDESWIPE BY CONTACTED VEHICLE
- (27) AND OBJECT
- (29) AND UNKNOWN OTHER VEHICLE CONFIGURATION

REAR OF CASE VEHICLE

- (31) AND FRONT OF CONTACTED VEHICLE
- (33) AND SIDE OF CONTACTED VEHICLE
- (34) AND REAR OF CONTACTED VEHICLE
- (36) ENDSWIPE BY CONTACTED VEHICLE
- (37) AND OBJECT
- (39) AND UNKNOWN OTHER VEHICLE CONFIGURATION

RIGHT SIDE OF CASE VEHICLE

- (41) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (42) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (43) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (44) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (45) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (46) SIDESWIPE BY CONTACTED VEHICLE
- (47) AND OBJECT
- (49) AND UNKNOWN OTHER VEHICLE CONFIGURATION

OTHER

- (57) VEHICLE TO OBJECT
- (58) VEHICLE TO VEHICLE
- (59) VEHICLE TO VEHICLE, CONFIGURATION UNKNOWN

ROLLOVER

- (61) LESS THAN 360°
- (62) 360° OR MORE
- (69) DETAILS UNKNOWN

UNKNOWN

- (99) IMPACT TYPE UNKNOWN

DAMAGE DA-4

CODES FOR VEHICLE/OBJECT CONTACTED

VEHICLE/OBJECT GROUPS

- (00) NO OBJECT
- (01) - (39) PASSENGER VEHICLE & TRUCK
- (40) - (69) OTHER VEHICLE
- (70) - (76) PEDESTRIAN & ON-ROADWAY OBJECT
- (77) - (97) OFF-ROADWAY OBJECT
- (98) OTHER (DESCRIBE)
- (99) UNKNOWN

BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)

PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

SIZE

WHEELBASE

SUB-MINI	< 2286 mm (< 90")
MINI	2286 - 2412 mm (90" - 94.9")
SUB-COMPACT	2413 - 2539 mm (95" - 99.9")
COMPACT	2540 - 2666 mm (100" - 104.9")
INTERMEDIATE	2667 - 2793 mm (105" - 109.9")
FULL	2794 - 2920 mm (110" - 114.9")
LARGE	2921 - 3174 mm (115" - 124.9")
LIMOUSINE	> 3175 mm (> 125")

MULTIPURPOSE PASSENGER VEHICLE

- (11) SMALL VAN (MINI)
- (12) PICKUP
- (14) SMALL UTILITY (WHEELBASE LESS THAN 107", E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107", E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

TRUCK

- (11) SMALL VAN (E.G. ECONOLINE)
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

MOTORCYCLE

- (50) UNKNOWN MOTORCYCLE TYPE
- (51) 1 - 75 cc
- (52) 76 - 125 cc
- (53) 126 - 250 cc
- (54) 251 - 500 cc
- (55) 501 - 750 cc
- (56) 751 cc +
- (57) 3-WHEELS (OR WITH SIDECAR)

SPECIAL PURPOSE VEHICLE

- (60) UNKNOWN/OTHER SPECIAL VEHICLE (DESCRIBE)
- (61) SNOWMOBILE
- (62) ATV (ALL TERRAIN VEHICLE)
- (63) AMPHIBIOUS VEHICLE
- (64) FARM VEHICLE
- (65) CONSTRUCTION VEHICLE
- (66) TRAILER, PRIVATE (CAMPER)
- (67) TRAILER, COMMERCIAL (CARGO)
- (68) TRAIN (CARS)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)

OBJECT

- (70) PEDESTRIAN
- (71) BICYCLIST, OTHER PEDALCYCLIST
- (72) PEDESTRIAN CONVEYANCE (E.G. PERSON RIDING ANIMAL, CART)
- (73) LARGE ANIMAL
- (74) FALLEN OBJECT (E.G. OBJECT DISLODGED FROM OTHER VEHICLE, FALLEN TREE, ROCKS)
- (75) ROCKS
- (76) CONSTRUCTION EQUIPMENT (EXCLUDING (65))
- (77) SIGN POST, UTILITY POLE, TREE
- (78) DITCH
- (79) EMBANKMENT, SNOWBANK, RR TRACKS RR X
- (80) GROUND (ROLLOVER ONLY)
- (81) CURB (DAMAGE PRODUCING IMPACTS ONLY)
- (82) CULVERT
- (83) FENCE
- (84) HYDRANT, SHORT POST, STUMP
- (85) SMALL POST/TREE, RURAL MAIL BOX, MILE MARKER, DELINEATOR
- (86) BUILDING
- (87) PIER, PILLAR, BRIDGE SUPPORT
- (88) ABUTMENT, RETAINING WALL
- (89) BRIDGE RAIL
- (90) GUARD RAIL, LEADING SECTION
- (91) GUARD RAIL, MIDDLE OR UNKNOWN
- (92) GUARD RAIL, TRAILING SECTION
- (93) GUARD POST (TIMBER, METAL, CONCRETE)
- (94) CABLE, FENCE BARRIER
- (95) CONCRETE BARRIER (MEDIAN)
- (96) IMPACT ATTENUATOR
- (97) BREAKAWAY FEATURES

Duplicate columns 1-8
from the previous card.Module C 9 10 Format 0 1
 11 12CRASH RECONSTRUCTION CR-1
for ΔV

	CASE VEHICLE PRIMARY IMPACT				CASE VEHICLE SECONDARY IMPACT			
	CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE				
EVENT NUMBER	<u>1</u> 13		<u>2</u> 47					
ΔV (km/h)	TOTAL	<u>0 2 0</u> 14 15 16	<u>0 2 9</u> 32 33 34	<u>9</u> — 48 49 50	<u>9</u> — 66 67 68			
	LONGITUDINAL*	<u>- 0 2 0</u> 17 20	<u>- 0 0 5</u> 35 38	<u>9</u> — 51 54	<u>9</u> — 69 72			
	LATERAL*	<u>- 0 0 3</u> 21 24	<u>+ 0 2 9</u> 39 42	<u>9</u> — 55 58	<u>9</u> — 73 76			
	NOTE: THESE ΔV COMPONENTS MUST INCLUDE SIGN.							
	EXAMPLES: 10 km/h = <u>0 1 0</u> -7 km/h = <u>- 0 0 7</u>							
ENERGY DISSIPATED BY CRUSH (kJ)		<u>0 0 7 3</u> 25 28	<u>0 0 2 5</u> 43 46	<u>9</u> — 59 62	<u>9</u> — 77 80			
RECONSTRUCTION		<u>2 2</u> 29 30		<u>0 8</u> 63 64				
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL								
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL								
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL								
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL								
NOT RECONSTRUCTED BECAUSE								
(02) INSUFFICIENT DATA								
(03) EXCESSIVE UNDERRIDE/ OVERRIDE								
(04) ROLLOVER								
(05) VAULTING								
(06) OTHER TRAVEL IN MORE THAN ONE PLANE								
(07) NON-HORIZONTAL FORCE								
(08) SIDESWIPE-TYPE DAMAGE								
(09) YIELDING OBJECT								
(10) OTHER: _____								
(11) AT LEAST ONE VEHICLE BEYOND SCOPE								
(12) OTHER VEHICLE NOT INSPECTED								
MODE		<u>2</u> 31		<u>5</u> 65				
(1) CDC ONLY								
(2) CDC & DETAILED DAMAGE								
(3) TRAJECTORY & CDC								
(4) TRAJECTORY & CDC & DETAILED DAMAGE								
(5) NOT RECONSTRUCTED								
COMPUTER PROGRAM SPECIFY: _____								

Duplicate columns 1-8
from the previous card.Module C R Format 0 2
9 10 11 12CRASH RECONSTRUCTION CR-2
for EBS

		CASE VEHICLE PRIMARY IMPACT		CASE VEHICLE SECONDARY IMPACT	
		CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE
EVENT NUMBER		<u>1</u> 13		<u>2</u> 47	
EBS (km/h)	TOTAL	<u>0 3 1</u> 14 15 16	<u>0 1 9</u> 32 33 34	<u>9</u> 48 49 50	<u>9</u> 66 67 68
	LONGITUDINAL*	<u>- 0 3 0</u> 17 20	<u>- 0 0 3</u> 35 38	<u>9</u> 51 54	<u>9</u> 69 72
	LATERAL*	<u>- 0 0 5</u> 21 24	<u>+ 0 1 9</u> 39 42	<u>9</u> 55 58	<u>9</u> 73 76
NOTE: THESE EBS COMPONENTS MUST INCLUDE SIGN.					
EXAMPLES: 10 km/h = +010 -7 km/h = -007					
ENERGY DISSIPATED BY CRUSH (kJ)		<u>0 0 7 3</u> 25 28	<u>0 0 2 5</u> 43 46	<u>9</u> 59 62	<u>9</u> 77 80
RECONSTRUCTION		<u>2 2</u> 29 30		<u>0 8</u> 63 64	
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL					
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL					
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL					
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL					
NOT RECONSTRUCTED BECAUSE					
(02) INSUFFICIENT DATA					
(03) EXCESSIVE UNDERRIDE/ OVERRISE					
(04) ROLLOVER					
(05) VAULTING					
(06) OTHER TRAVEL IN MORE THAN ONE PLANE					
(07) NON-HORIZONTAL FORCE					
(08) SIDESWIPE-TYPE DAMAGE					
(09) YIELDING OBJECT					
(10) OTHER: _____					
(11) AT LEAST ONE VEHICLE BEYOND SCOPE					
(12) OTHER VEHICLE NOT INSPECTED					
MODE		<u>2</u> 31		<u>5</u> 65	
(1) CDC ONLY					
(2) CDC & DETAILED DAMAGE					
(3) TRAJECTORY & CDC					
(4) TRAJECTORY & CDC & DETAILED DAMAGE					
(5) NOT RECONSTRUCTED					
COMPUTER PROGRAM SPECIFY: _____					

Duplicate columns 1-8
from the previous card.Module C R Format 0 3
9 10 11 12

CRASH RECONSTRUCTION

CR-3

NOTES:

1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.

2. MEASURE C_1 TO C_6 FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.3. D IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.

4. USE THE CENTER OF THE WHEELBASE AS THE CG.

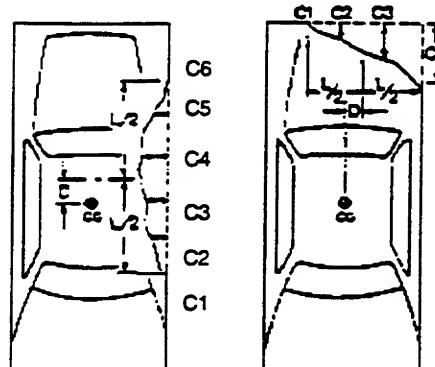
CASE VEHICLE

LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L
1	Begin RT. BC 111 cm to C4	BC to BC Front
2	39cm forward of RT. rear axle	same

PLANE:
 (1) Bumper
 (2) Above Bumper
 (3) Sill
 (4) Above Sill
 (5) Other _____
 (9) Unknown



DL 111
 UDL 74

CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage		Field L	C1	C2	C3	C4	C5	C6	±D
		Length (DDL)	Max Crush								
1	1	111	34	175	2	7	31	34	35	46	+37
			-3		-16	-8	-3	-3	-8	-16	
1	1	111	031	175	000	000	028	031	007	030	+037
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45
2	4		4								
2	4	019	004	019	999	999	999	999	999	999	+999

Duplicate columns 1-8
from the previous card.Module C R Format 0 4
9 10 11 12

CRASH RECONSTRUCTION CR-4

NOTES:

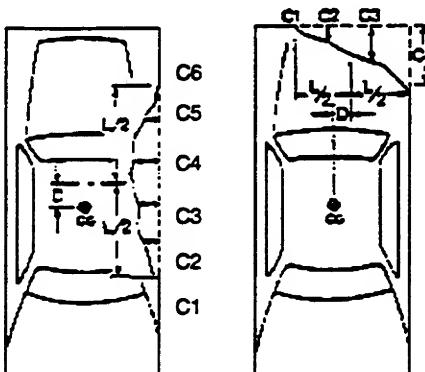
1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.
2. MEASURE C_1 TO C_6 FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.
3. D IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.
4. USE THE CENTER OF THE WHEELBASE AS THE CG.

OTHER VEHICLE
LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L
1	Begin Lt. ft. BC 121 cm rearward	Begin Lt. ft BC 124 cm rearward
2	Begin Lt. RA. BC 20 cm forward	Begin Lt. RR BC 23 cm forward

PLANE:
 (1) Bumper
 (2) Above Bumper
 (3) Sill
 (4) Above Sill
 (5) Other _____
 (9) Unknown

DL _____
UDL _____

CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage		Field L	C ₁	C ₂	C ₃	C ₄	C ₅	C ₆	±D
		Length (DDL)	Max Crush								
1	4	121	19	124	0	5	10	17	13	6	+182
1	4	121	019	124	000	005	010	017	013	006	+182
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45
2	4	20	3	23							
2	4	020	003	023	999	999	999	999	999	999	-999

Duplicate columns 1-8
from the previous card.Module W 9 T 10 Format 0 11 1 12

WHEELS AND TIRES

WT-1

WHEELS--DAMAGED

(0) NO
(1) YES
(9) UNKNOWN

flat

LF 0
13RF 0RR 0LR 0
16

SIZE (NOT DOT CODE. IF UNKNOWN, USE 9'S)

LF P 2 4 5 7 5 R 1 6
25RF -----
35RR -----
45LR -----
55

TIRE TREAD TYPE

(1) REGULAR
(2) SNOW
(3) SLICKS
(4) ALL WEATHER (MS)
(7) OTHER: _____
(9) UNKNOWN

LF 4
17RF 4RR 4LR 4
20

CARCASS CONSTRUCTION

(1) BIAS
(2) BELTED BIAS
(3) RADIAL
(4) ELLIPTICAL
(5) HI PRESSURE SPARE
(6) SPACE SAVER SPARE
(7) OTHER: _____
(9) UNKNOWN

LF 3
21RF 3RR 3LR 3
24IF VEHICLE IS EQUIPPED WITH DUAL
WHEELS, COMPLETE FOR OUTER WHEELS
AND MAKE NOTES ON INNER WHEELS.

NOTES: _____

Duplicate columns 1-8
from the previous card.Module F T Format 0 1
9 10 11 12

FUEL AND FUEL TANKS FT-1

TYPE OF PROPULSIVE FUEL	<u>1</u>	AUXILIARY TANK TYPE	<u>8</u>
(1) GASOLINE (2) DIESEL OIL (3) LPG (4) ELECTRIC (7) OTHER: _____ (9) UNKNOWN		(1) OEM TANK (2) AFTER MARKET TANK (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN	
MAIN TANK LOCATION	<u>1</u> <u>2</u> <u>2</u> 14 16	AUXILIARY TANK LOCATION	<u>8</u> <u>8</u> <u>6</u> 22 24
MAIN FILLER CAP LOCATION	<u>1</u> <u>1</u> <u>3</u> 17 19	AUXILIARY FILLER CAP LOCATION	<u>8</u> <u>8</u> <u>9</u> 25 27
MAIN TANK MATERIAL	<u>1</u> 20	AUXILIARY TANK MATERIAL	<u>8</u> 28

TANK AND FILLER CAP LOCATION CODES

FIRST DIGIT (LONGITUDINAL)

- (1) BEHIND KICK-UP
- (2) IN KICK-UP
- (3) BETWEEN KICK-UP & COWL
- (4) FORWARD OF COWL
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

SECOND DIGIT (LATERAL)

- (1) LEFT OF FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) RIGHT OF FRAME
- (4) DUAL, RIGHT & LEFT TANKS
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

THIRD DIGIT (VERTICAL)

- (1) BELOW FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) ABOVE FRAME
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

TANK MATERIAL CODES

- (1) STEEL
- (2) ALUMINUM
- (3) PLASTIC
- (7) OTHER
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

Duplicate columns 1-8
from the previous card.Module F 1 Format 0 1
9 10 11 12

FUEL LEAKAGE FL-1

DID FUEL LEAKAGE RESULT FROM A CRASH EVENT

(0) NO KNOWN LEAKAGE SKIP PAGE.D
13(1) YES COMPLETE PAGE.

LEAK NUMBER	I LEAKING COMPONENT	II COMPONENT SOURCE	III TYPE OF DAMAGE	IV SEVERITY OF DAMAGE	V LOCATION OF LEAK	EVENT NUMBER
#1	14 15	—	—	—	—	21
#2	22 23	—	—	—	—	29
#3	30 31	—	—	—	—	37
#4	38 39	—	—	—	—	45
#5	46 47	—	—	—	—	53

I LEAKING COMPONENT

TANK AREA

- (11) MAIN FUEL TANK (INCLUDING VAPOR RECOVERY DOME)
- (12) AUXILIARY FUEL TANK
- (13) MAIN TANK FILLER TUBE
- (14) MAIN TANK CAP (GAS CAP)
- (15) AUXILIARY TANK FILLER TUBE
- (16) AUXILIARY TANK CAP (GAS CAP)
- (19) TANK AREA, DETAILS UNKNOWN

DELIVERY SYSTEM

- (21) FUEL FEED LINE (MAIN TANK TO FUEL PUMP)
- (22) FUEL FEED LINE (AUXILIARY TANK TO FUEL PUMP)
- (23) FUEL RETURN LINE (FUEL PUMP TO TANK)
- (24) INLINE FUEL FILTER
- (25) FUEL LINE (PUMP TO CARBURETOR OR INJECTOR PUMP)
- (26) CARBURETOR TO INJECTOR PUMP
- (27) FUEL PUMP
- (29) DELIVERY SYSTEM, DETAILS UNKNOWN

EVAPORATIVE EMISSION CONTROL SYSTEM

- (31) ATMOSPHERIC VENT PIPE (NON-EEC EQUIPPED)
- (32) EEC PIPE (VAPOR CANISTER TO CARBURETOR)

EEC SYSTEM (CONTINUED)

- (33) VAPOR RECOVERY HOSES (CANISTER TO CARBURETOR)
- (34) LIQUID-VAPOR SEPARATOR (UNLESS PART OF TANK)
- (35) CANISTER
- (39) EEC SYSTEM, DETAILS UNKNOWN

II COMPONENT SOURCE

- (1) OEM
- (2) AFTER MARKET
- (9) UNKNOWN

III TYPE OF DAMAGE

- (1) DENTED/CRUSHED
- (2) PUNCTURED
- (3) RUPTURED
- (4) SEVERED/GROSS TEARS
- (5) DISCONNECTED/DEFEATED
- (9) UNKNOWN

IV SEVERITY OF DAMAGE

- (1) MINOR
- (2) MODERATE
- (3) SEVERE
- (4) DISCONNECTED/DEFEATED
- (9) UNKNOWN

V LOCATION OF LEAK

FIRST DIGIT (LONGITUDINAL LOCATION)

- (1) F. FORWARD OF COWL
- (2) P. BETWEEN COWL & REAR BULKHEAD
- (3) B. BEHIND REAR BULKHEAD
- (4) Y, F, & P
- (5) Z, P, & B
- (6) D. DISTRIBUTED (F, P & B)
- (9) UNKNOWN

SECOND DIGIT (LATERAL LOCATION)

- (1) L. LEFT
- (2) C. CENTER
- (3) R. RIGHT
- (4) Y, LEFT CENTER (L & C)
- (5) Z, RIGHT CENTER (R & C)
- (6) D. DISTRIBUTED (F, P & B)
- (9) UNKNOWN

Duplicate columns 1-8
from the previous card.Module F R Format 0 1
9 10 11 12

FIRE FR-1

WAS THERE FIRE IN OR ON CASE VEHICLE?

(0) NO SKIP PAGE.13
O(1) YES COMPLETE PAGE.

DID FIRE START IN CASE VEHICLE?

(0) NO
(1) YES
(9) UNKNOWN

14

SEVERITY OF FIRE DAMAGE

(1) MINOR
(2) MODERATE
(3) SEVERE
(9) UNKNOWN

16

FLAME PROPAGATION RATE

(1) RAPID/EXPLOSIVE
(2) SLOW/MODERATE
(9) UNKNOWN

15DID AN INJURY TO CASE
VEHICLE OCCUPANT RESULT FROM
FIRE IN OR ON CASE VEHICLE?

(0) NO
(1) YES
(9) UNKNOWN

17

PROVIDE NOTES IF FIRE OCCURRED.

Duplicate columns 1-8 from the previous card.		Module <u>E</u> 9	<u>D</u> 10	Format <u>0</u> 11	<u>1</u> 12	EXTERIOR DAMAGE	ED-1
HOOD PERFORMANCE						STEERING COL FLEXIBLE COUPLING	
FOR THE FOLLOWING, USE CODES:						FLEXIBLE COUPLING TYPE	
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN						(0) NONE (1) FLEXIBLE MATERIAL (2) POT (3) SINGLE U-JOINT (4) DOUBLE U-JOINT (5) FLEXIBLE CABLE (6) COMBINATION OF ABOVE (CIRCLE EACH) (7) OTHER: _____ (8) EQUIPPED, TYPE UNKNOWN (9) UNKNOWN, IF EQUIPPED	
HOOD LATCH(ES)-		-RELEASED -DAMAGED -JAMMED		<u>0</u> <u>1</u> <u>1</u>		-DAMAGED <u>1</u> <u>1</u>	
HOOD HINGES-		-LEFT, DAMAGED -LEFT, SEPARATED (COMPLETE) -RIGHT, DAMAGED -RIGHT, SEPARATED (COMPLETE)		<u>0</u> <u>8</u> <u>0</u> <u>0</u>		COUPLING- <u>1</u> <u>1</u>	
HOOD REMAINED ON VEHICLE				<u>1</u> <u>1</u>		-SEPARATED (COMPLETE) <u>1</u>	
REAR EDGE OF HOOD-		-ELEVATED -CONTACTED WINDSHIELD -PENETRATED WINDSHIELD		<u>1</u> <u>0</u> <u>8</u>		TYPE OF UNIT (00) NONE INSTALLED (01) - (07) SEE UNITS ON PAGE ED-2 (88) NOT COLLECTED (97) OTHER: _____ (98) EQUIPPED, TYPE UNKNOWN (99) UNKNOWN IF EQUIPPED	
HOOD LATCH LOCATION		(1) FRONT OF VEHICLE (2) COWL AREA (3) SIDE (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> <u>1</u>		ORIGINAL LENGTH (mm) F (OR H): _____	
ENGINE OR TRANSMISSION MOUNT		SEPARATION (COMPLETE)		<u>0</u> <u>0</u>		TELESCOPED LENGTH (mm) G: _____	
						DIFFERENCE (mm) F (OR H) - G (IF LESS THAN 15mm, ENTER "000".)	
						(888) NOT COLLECTED (991) NOT MEASURED/NO COMPRESSION (992) COMPRESSED, AMOUNT UNKNOWN (993) DEVICE EXTENDED (997) UNABLE TO BE MEASURED (998) NOT APPLICABLE (NOT EQUIPPED) (999) UNKNOWN	

EXTERIOR DAMAGE

ED-2

LEFT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

(0) NO
 (1) YES
 (8) NOT APPLICABLE
 (9) UNKNOWN

Q
34

LEFT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

(0) NO
 (1) YES
 (4) NO SEPARATION, BUT DAMAGED
 (8) NOT APPLICABLE (NOT EQUIPPED)
 (9) UNKNOWN

-A-PILLAR, UPPER

Q
35

LOWER

Q
36

-B-PILLAR, UPPER

Q
37

LOWER

Q
38

-C-PILLAR, UPPER

Q
39

LOWER

Q
40

-D-PILLAR, UPPER

Q
41

LOWER

Q
42

LEFT DOORS

HOW DID DOORS
OPEN DURING COLLISION?

USE CODES:

(0) DOOR DID NOT OPEN

OPENED BECAUSE OF

(1) HINGE AREA SEPARATION
 (2) DOOR-LATCH SEPARATION
 (3) LATCH-STRIKER SEPARATION
 (4) STRIKER-PILLAR SEPARATION
 (5) BODY DISTORTION
 (6) COMBINATION OF ABOVE
 (CIRCLE EACH)
 (7) OPENED, REASON UNKNOWN

(8) NOT APPLICABLE (NO DOOR)

(9) UNKNOWN

-FRONT

Q
43

-REAR

Q
44

DOORS JAMMED CLOSED-

USE CODES:

(0) NO
 (1) YES
 (8) NOT APPLICABLE (NO DOOR)
 (9) UNKNOWN

-FRONT

Q
45

-REAR

Q
46

EXTERIOR DAMAGE

ED-3

REAR DOOR

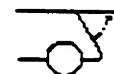
REAR DOOR TYPE

- (0) NO DOOR (INCLUDES PICKUPS)
- (1) HATCHBACK
- (2) ONE-WAY TAILGATE
- (3) TWO-WAY TAILGATE
- (4) CLAMSHELL/DISAPPEARING TAILGATE
- (5) SINGLE DOOR
- (6) DOUBLE DOOR
- (9) UNKNOWN

Hatchback



One-way



Two-way



Clamshell



Single door



Double door



HOW DID DOOR OPEN DURING COLLISION?

- (0) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION
- (2) DOOR-LATCH SEPARATION
- (3) LATCH-STRIKER SEPARATION
- (4) STRIKER-PILLAR SEPARATION
- (5) BODY DISTORTION
- (6) COMBINATION OF ABOVE
(CIRCLE EACH)
- (7) OPENED, REASON UNKNOWN
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

DOOR JAMMED CLOSED

- (0) NO
- (1) YES
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

6
47

OTHER REAR DAMAGE

WAS PARTITION TO LUGGAGE AREA DAMAGED DURING COLLISION?

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

8
50

SPARE TIRE

- (0) NO SPARE TIRE
- (1) NOT ATTACHED BEFORE COLLISION
- (2) ATTACHED, NOT SEPARATED IN COLLISION
- (3) ATTACHED, SEPARATED DUE TO COLLISION
- (8) NOT COLLECTED
- (9) UNKNOWN

8
51

TRAILER HITCH TYPE

- (0) NO HITCH

BALL-AND-SOCKET TYPES

- (1) TEMPORARY FRAMEWORK (E.G. RENTAL CLAMP-ON)
- (2) BUMPER-MOUNT ONLY (E.G. LIGHT TRUCK)
- (3) BUMPER-AND-FRAME (BUT NON-EQUALIZING)
- (4) LOAD EQUALIZING

4
52

OTHER TYPES

- (5) RING-AND-PINTLE
- (6) FIFTH-WHEEL (INCL. P/U)
- (7) OTHER (E.G. CLEVIS-AND-PIN)

- (8) EQUIPPED, TYPE UNKNOWN
- (9) UNKNOWN IF EQUIPPED

D
48TRAILER TYPE
(AT TIME OF COLLISION)

- (0) NO TRAILER
- (1) TRAVEL-TRAILER/CAMPER
- (2) MOBILE HOME
- (3) BOAT/SNOWMOBILE/ATV TRAILER
- (4) UTILITY TRAILER
- (5) TOWED CAR
- (7) OTHER: _____
- (8) TRAILER, TYPE UNKNOWN
- (9) UNKNOWN

0
53D
49

EXTERIOR DAMAGE

ED-4

RIGHT-SIDE BODY MOUNT DID BODY MOUNT SEPARATE? (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		 54	RIGHT DOORS HOW DID DOORS OPEN DURING COLLISION? USE CODES: (00) DOOR DID NOT OPEN OPENED BECAUSE OF (01) HINGE AREA SEPARATION (02) DOOR-LATCH SEPARATION (03) LATCH-STRIKER SEPARATION (04) STRIKER-PILLAR SEPARATION (05) BODY DISTORTION (06) COMBINATION OF ABOVE (CIRCLE EACH) (07) OPENED, REASON UNKNOWN (11) VAN RIGHT-REAR DOOR OPENED (ANY MECHANISM) (98) NOT APPLICABLE (NO DOOR) (99) UNKNOWN		
RIGHT PILLARS PILLARS SEPARATED COMPLETELY - USE CODES: (0) NO (1) YES (4) NO SEPARATION, BUT DAMAGED (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN		 55	-FRONT   63 64		
LOWER  56		-REAR   65 66			
-A-PILLAR, UPPER  57		 58	DOORS JAMMED CLOSED- USE CODES: (0) NO (1) YES (8) NOT APPLICABLE (NO DOOR) (9) UNKNOWN		
LOWER  59		-FRONT  67			
-C-PILLAR, UPPER  60		-REAR  68			
LOWER  61		 62	VAN REAR DOOR TYPE (0) VAN, NO REAR DOOR (1) TRACK (SLIDING) - RIGHT SIDE (2) SINGLE-HINGED - RIGHT SIDE (3) DOUBLE-HINGED - RIGHT SIDE (4) TRACK (SLIDING) - RIGHT & LEFT SIDE (5) SINGLE-HINGED - RIGHT & LEFT SIDE (6) DOUBLE-HINGED - RIGHT & LEFT SIDE (7) TRACK AND HINGED COMBINATION (8) NOT APPLICABLE (NOT A VAN) (9) UNKNOWN		
			 69		

EXTERIOR DAMAGE

ED-5

WINDSHIELD DAMAGE

WINDSHIELD CRACKED

(0) NO
 (1) YES
 (8) NOT APPLICABLE
 (9) UNKNOWN

D
70WINDSHIELD BROKEN
(PLASTIC INTERLAYER TORN)

(0) NO
 (1) YES
 (8) NOT APPLICABLE
 (9) UNKNOWN

E
71CRACKED OR BROKEN
BY OCCUPANT CONTACT

(0) NO
 (1) YES
 (8) NOT APPLICABLE
 (9) UNKNOWN

F
72

EXTENT OF BOND SEPARATION

(0) NONE
 (1) 1 - 20%
 (2) 21 - 40
 (3) 41 - 60
 (4) 61 - 80
 (5) 81 - 99
 (6) TOTAL
 (7) SEPARATED, AMOUNT
 UNKNOWN
 (8) NOT APPLICABLE
 (9) UNKNOWN

G
73

WINDSHIELD MARK ON CASE VEHICLE:



WINDSHIELD CODE

(97) DESCRIBED BUT NOT CODED
 (98) NOT APPLICABLE (NO WINDSHIELD)
 (99) UNKNOWN

R U
74 75

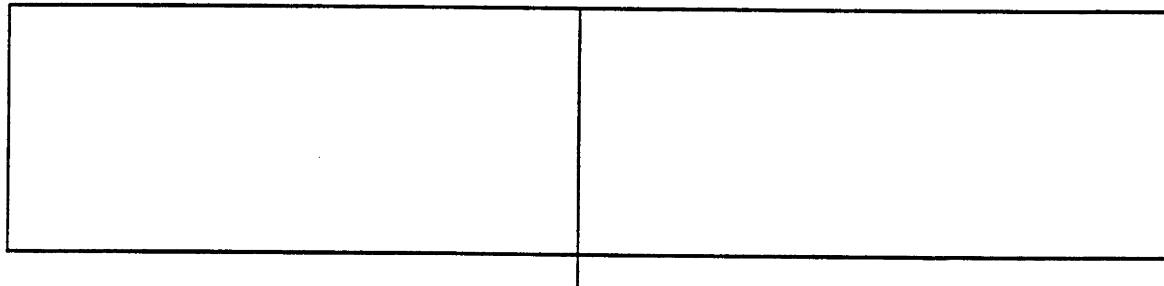
ROOF

DID T-ROOF/SUN ROOF OPEN
DURING COLLISION?

(0) NO
 (1) YES
 (8) NOT APPLICABLE
 (NOT A T-ROOF OR SUN ROOF)
 (9) UNKNOWN

S
76

LOCATE AREA OF WINDSHIELD INTEREST OR DAMAGE WITH DIMENSIONS (VERTICAL & HORIZONTAL) ON THIS DIAGRAM OF THE WINDSHIELD AS VIEWED FROM INSIDE.



L

C

R

Duplicate columns 1-8
from the previous card.Module S 9 C 10 Format 0 11 1 12

STEERING WHEEL AND COLUMN SC-1

STEERING WHEEL

STEERING WHEEL RIM DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN

0
13NUMBER OF
STEERING WHEEL SPOKES

- (9) UNKNOWN

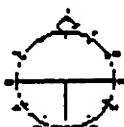
4
14

STEERING WHL SPOKE DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN

0
15STEERING WHEEL POSITION
AT TIME OF COLLISIONIN WHAT OCLOCK POSITION WAS THE
NORMAL TOP OF THE WHEEL POINTED
WHEN THE COLLISION OCCURRED?

EXAMPLES

OCLOCK = 1 2(NORMAL STRAIGHT
AHEAD)OCLOCK = 1 2OCLOCK = 9 9

(99) UNKNOWN

STEERING COLUMN OPTIONS

TILT FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED, UNK POSITION
- (2) UP
- (3) MIDDLE
- (4) LOWER
- (9) UNKNOWN IF EQUIPPED

3
16

SWING-AWAY FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

0
17

TELESCOPING FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

0
18

TYPE OF DEVICE

- (0) NONE
- (1) CONVOLUTED OR MESH CYLINDER
- (2) DEEP DISH STEERING WHEEL
- (7) OTHER: _____
- (8) NOT COLLECTED
- (9) UNKNOWN IF EQUIPPED

8
19

ORIGINAL DIMENSION (mm)

A: _____

DAMAGE DIMENSION (mm)

B: _____

DIFFERENCE (mm)

A - B

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT
COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO MEASURE
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

8 8 8
20 21 22

STEERING WHEEL AND COLUMN SC-2

STEERING COLUMN
ENERGY ABSORBING DEVICE

TYPE OF DEVICE * (IF 27 OR 28)

- (00) NOT EQUIPPED
- (88) NOT COLLECTED
- (99) UNKNOWN

ORIGINAL LENGTH (mm)

C: _____

COMPRESSED LENGTH (mm)

D: _____

BRACKET DEFLECTION (IF CODE 36, 48,
OR 49 ABOVE)

OR

COMPRESSION (OR EXTRUSION) (mm)

C - D (OR E) (TOLERANCE: ± 10)

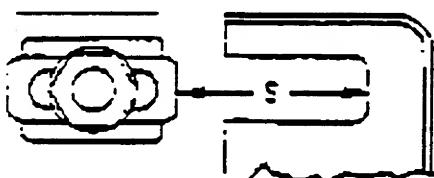
- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT
COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

* (ADD A & B FOR TOTAL COMPRESSION)

SHEAR CAPSULE SEPARATION (mm)

S (USE AVG. OF LEFT & RIGHT CAPSULES.)

LT:



RT:

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT
SEPARATION
- (992) SEPARATED, AMOUNT UNKNOWN
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

COLUMN VERTICAL ROTATION

- (0) NO APPARENT ROTATION
- (1) UPWARD APPARENT ROTATION
- (2) DOWNWARD APPARENT ROTATION
- (9) UNKNOWN

COLUMN LATERAL ROTATION

- (0) NO APPARENT ROTATION
- (1) LEFT APPARENT ROTATION
- (2) RIGHT APPARENT ROTATION
- (9) UNKNOWN

8	8
23	24

STEERING WHEEL (CONTINUED)

STEERING WHEEL HUB DAMAGE

- (0) NONE
- (1) OCCUPANT CONTACT
- (2) AIRBAG
- (3) OTHER _____
- (9) UNKNOWN

0
33

8	8	8
25	26	27

8	8	8
28	29	30

0
31

0
32

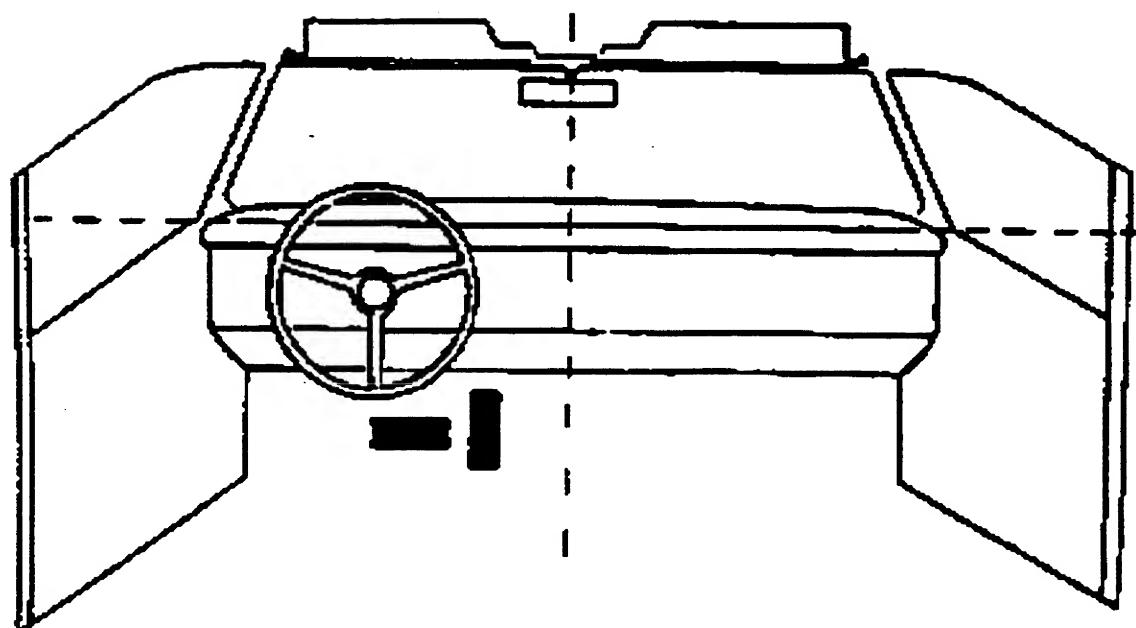
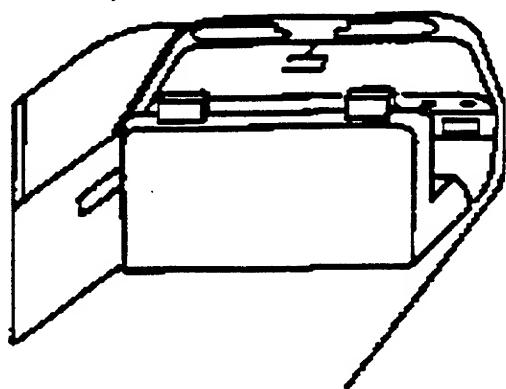
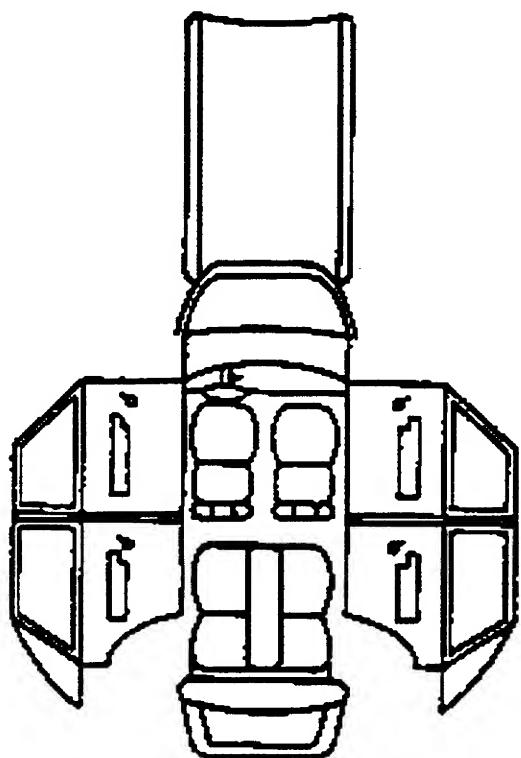
INTRUSION IT-1

OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A					
B					
C					
D					
E					
F					
G					
H					
I					
J					

INTRUSION IT-2

VEHICLE OCCUPANT CONTACT DIAGRAM



INTRUSION IT-3

CODES FOR COLUMN B, OCCUPANT SPACE NUMBER

OCCUPANT SPACE NUMBER IS A TWO-DIGIT CODE. THE USE OF THE CODE IS DETERMINED BY THE VEHICLE SEAT CONFIGURATION AT THE TIME OF THE ACCIDENT.

FIRST DIGIT

THE FIRST DIGIT (LEFT DIGIT) DENOTES THE SEAT ROW, WITH CODE VALUES FROM 1 TO 5.

SECOND DIGIT

THE SECOND DIGIT (RIGHT DIGIT) DENOTES THE POSITION ON THE SEAT AND, IN SOME INSTANCES, THE WIDTH OF THE SEAT.

(1) LEFT	(3) RIGHT INDIVIDUAL SEAT
(1) LEFT	(2) CENTER	(3) RIGHT BENCH: FULL WIDTH 3 PASSENGER
(1) LEFT	(2) LEFT CENTER	(6) RIGHT (3) RIGHT BENCH: FULL WIDTH 4 PASSENGER
(1) LEFT	(2) CENTER	(5) RIGHT & BENCH: PARTIAL WIDTH, LEFT AISLE SPACE
(0) LEFT & SPACE	(2) CENTER	(5) RIGHT & BENCH: PARTIAL WIDTH, CENTERED
(4) ENTIRE VEHICLE WIDTH	 CARGO AREA

EXAMPLES

THE TWO FIGURES BELOW PROVIDE EXAMPLES OF THE OCCUPANT SPACE NUMBER.

PASSENGER CAR
5 PASSENGERS

X	X	11	13
X	X	21	22 23

VAN
12 PASSENGER CAPACITY

X	X	11	13
X	X	21	22 25
X	X	31	32 35
X	X	41	42 46 43

CODES FOR COLUMN F, MEASUREMENT AXIS

- (X) X-AXIS (FORE & AFT)
- (Y) Y-AXIS (LATERAL)
- (Z) Z-AXIS (VERTICAL)

CODES FOR COLUMNS G, H, I & J, OCCUPANT & INJURY NUMBERS

OCCUPANT NUMBER	INJURY NUMBER	<u>CONTACT</u>
(00)	(00)	NO CONTACT
(##)	(00)	CONTACT, NO INJURY
(97)	(99)	CONTACT, OCCUPANT UNKNOWN, INJURY UNKNOWN
(99)	(00) OR (99)	UNKNOWN IF CONTACT

CODES FOR COLUMN C, INTRUDING COMPONENT OR OBJECT

NOTE: DO NOT CODE OBJECTS OTHER THAN COMPONENTS OF CASE VEHICLE.

INDIVIDUAL COMPONENT

INTERNAL

- (01) INSTRUMENT PANEL
- (02) FIRE WALL
- (03) TOE PAN
- (04) FLOOR PAN
- (05) STEERING COLUMN
- (06) WINDSHIELD
- (07) WINDSHIELD HEADER
- (08) A-PILLAR
- (09) DOOR PANEL OR SIDE PANEL
- (10) WINDOW FRAME
- (11) B-PILLAR
- (12) C-PILLAR
- (13) D-PILLAR
- (14) ROOF SIDE RAILS
- (15) ROOF OR CONVERTIBLE TOP
- (16) BACKLIGHT HEADER
- (17) FRONT SEAT-BACK SURFACE/SEAT-BACK BACK SURFACE
- (18) SECOND SEAT-BACK SURFACE/SEAT-BACK BACK SURFACE
- (19) THIRD SEAT-BACK SURFACE/SEAT-BACK BACK SURFACE
- (20) FOURTH SEAT-BACK SURFACE/SEAT-BACK BACK SURFACE
- (21) FIFTH SEAT-BACK SURFACE/SEAT-BACK BACK SURFACE
- (22) BACK PANEL/BACK DOOR SURFACE
- (23) SEAT CUSHION SURFACE/EDGE
- (24) CONSOLE
- (25) OTHER (DESCRIBE)
- (26) UNKNOWN INTERNAL SURFACES
- (28) TRANSMISSION TUNNEL (HUMP)
- (29) SIDE FOOTWELL PANEL (KICKPANEL)
- (30) SILL

EXTERNAL

- (43) HOOD
- (44) OBJECT EXTERNAL TO PASSENGER COMPARTMENT BUT PART OF CASE VEHICLE
- (45) OUTSIDE SURFACE OF CASE VEHICLE
- (46) OTHER (E.G. SPARE TIRE, JACK. DESCRIBE.)
- (49) UNKNOWN EXTERNAL OBJECT

GROUPED FOR MASSIVE INTRUSION INTO AN OCCUPANT SPACE

USE ONLY IF ALL THESE COMPONENTS INTRUDED INTO A SINGLE OCCUPANT SPACE.

- (50) WINDSHIELD HEADER (60) ROOF
A-PILLAR ROOF RAIL
ROOF SIDE RAIL
- (51) INSTRUMENT PANEL (61) INSTRUMENT PANEL
A-PILLAR TOE PAN
WINDSHIELD HEADER WINDSHIELD HEADER
A-PILLAR A-PILLAR
ROOF RAIL ROOF RAIL
WINDOW FRAME WINDOW FRAME
DOOR PANEL DOOR PANEL
FLOOR PAN
- (52) INSTRUMENT PANEL (62) ROOF
A-PILLAR ROOF RAIL
WINDSHIELD HEADER C-PILLAR
A-PILLAR WINDOW FRAME
ROOF RAIL FLOOR PAN
WINDOW FRAME SECOND SEAT
DOOR PANEL DOOR PANEL
- (53) DOOR PANEL (63) ROOF RAIL
B-PILLAR ROOF
ROOF RAIL B-PILLAR
WINDOW FRAME WINDOW FRAME
A-PILLAR FLOOR PAN
ROOF RAIL DOOR PANEL
WINDOW FRAME SECOND SEAT
DOOR FRAME FRONT SEAT
- (54) DOOR PANEL (64) ROOF RAIL
A-PILLAR ROOF OR CONVERTIBLE TOP
ROOF RAIL A-PILLAR
WINDOW FRAME B-PILLAR
A-PILLAR WINDOW FRAME
DOOR FRAME WINDOW HEADER
- (55) INSTRUMENT PANEL (65) WINDSHIELD
FLOOR PAN WINDSHIELD HEADER
A-PILLAR ROOF SIDE RAIL
- (56) ROOF RAIL (66) WINDSHIELD
A-PILLAR WINDSHIELD HEADER
B-PILLAR A-PILLAR
- (57) ROOF RAIL (98) NOT APPLICABLE
- (58) ROOF (99) UNKNOWN
ROOF RAIL
WINDOW FRAME
DOOR PANEL
- (59) BACKLIGHT HEADER (99) UNKNOWN
ROOF
C-PILLAR
THIRD SEAT-BACK

Duplicate columns 1-8
from the previous card.Module 1 1 Format 0 1
9 10 11 12

INTRUSION IT-5

WAS THERE OCCUPANT COMPARTMENT INTRUSION?

0
13

WAS INTRUSION CATASTROPHIC?

14

(0) NO DO NOT ANSWER NEXT QUESTION. SKIP PAGE.
 (1) YES ANSWER NEXT QUESTION.
 (9) UNKNOWN SKIP PAGE.

(0) NO COMPLETE PAGE.
 (1) YES SKIP PAGE.

Duplicate columns 1-8
from the previous card.Module 1 1 Format 0 2
9 10 11 12

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

INTRUSIONS CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.

CODES FOR B, F, G, H, I, J ON PAGE IT-3

CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A INTRUSION NUMBER	B OCC. SPACE NO.	C INTRUDING COMPONENT OR OBJECT	D ASSOC. EVENT NO.	E MAXIMUM INTRUSION INTRUSION X AXIS (cm)	F MAXIMUM INTRUSION INTRUSION Y AXIS (cm)	G MAXIMUM INTRUSION INTRUSION Z AXIS (cm)	H OCCUPANT NUMBER	I INJURY NUMBER	J OCCUPANT NUMBER	K INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
<u>0</u> 1	—	—	—	—	—	—	—	—	—	—
<u>0</u> 2	—	—	—	—	—	—	—	—	—	—
<u>0</u> 3	—	—	—	—	—	—	—	—	—	—
<u>0</u> 4	—	—	—	—	—	—	—	—	—	—
<u>0</u> 5	—	—	—	—	—	—	—	—	—	—
<u>0</u> 6	—	—	—	—	—	—	—	—	—	—
<u>0</u> 7	—	—	—	—	—	—	—	—	—	—

NOTE: USE ADDITIONAL PAGE IF MORE THAN 7 INTRUSIONS.

Duplicate columns 1-8
from the previous card.Module 1 1 Format 0 3
9 10 11 12NOTE: IF NO SIDE DOOR INTRUSION,
SKIP REMAINDER OF PAGE.SIDE DOOR INTRUSION
RESULTED FROMINTRUSION
NUMBERCAUSE
CODES
FOR CAUSE:13 15
— —(1) DIRECT
IMPACT
(2) INDUCED
DAMAGE
(9) UNKNOWN16 18
— —IF DAMAGE TO DOOR COMPONENT RESULTED IN INCREASED
DOOR INTRUSION, CODE COMPONENTINTRUSION
NUMBERDAMAGED
COMPONENT 1DAMAGED
COMPONENT 2CODES
FOR COMPONENTSA
22 23
— ——
25(0) NONE
(1) A-PILLARB
26 27
— ——
29(2) B-PILLAR
(3) C-PILLARC
30 31
— ——
33(4) LATCH/STRIKER
(5) HINGESD
34 35
— ——
37(7) OTHER: _____
(8) NOT APPLICABLE
(9) UNKNOWN

Duplicate columns 1-8
from the previous card.Module 1 1 Format 0 2
9 10 11 12

INTRUSION IT-6

- ADDITIONAL PAGE -

INTRUSIONS CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.

CODES FOR B, F, G, H, I, J ON PAGE IT-3

CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A INTRUSION NUMBER	B OCC. SPACE NO.	C COMPONENT OR OBJECT	D ASSOC. EVENT	E MAXIMUM INTRUSION NO.	F MAXIMUM INTRUSION X AXIS (cm)	G MAXIMUM INTRUSION Y AXIS (cm)	H OCCUPANT NUMBER	I INJURY NUMBER	J OCCUPANT NUMBER	K INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
0 8	—	—	—	—	—	—	—	—	—	—
0 9	—	—	—	—	—	—	—	—	—	—
1 0	—	—	—	—	—	—	—	—	—	—
1 1	—	—	—	—	—	—	—	—	—	—
1 2	—	—	—	—	—	—	—	—	—	—
1 3	—	—	—	—	—	—	—	—	—	—
1 4	—	—	—	—	—	—	—	—	—	—
1 5	—	—	—	—	—	—	—	—	—	—
1 6	—	—	—	—	—	—	—	—	—	—
1 7	—	—	—	—	—	—	—	—	—	—
1 8	—	—	—	—	—	—	—	—	—	—
1 9	—	—	—	—	—	—	—	—	—	—
2 0	—	—	—	—	—	—	—	—	—	—
2 1	—	—	—	—	—	—	—	—	—	—
2 2	—	—	—	—	—	—	—	—	—	—
2 3	—	—	—	—	—	—	—	—	—	—
2 4	—	—	—	—	—	—	—	—	—	—
2 5	—	—	—	—	—	—	—	—	—	—

Duplicate columns 1-8 from the previous card.		Module <u>1</u> <u>9</u>	<u>D</u> <u>10</u>	Format <u>0</u> <u>11</u>	<u>1</u> <u>12</u>	INTERIOR DAMAGE	ID-1
CODES:							
(0) NO (1) YES (3) NO, and OCCUPANT CONTACT						(4) YES, and OCCUPANT CONTACT (8) NOT APPLICABLE (9) UNKNOWN	
SIDES		LEFT	RIGHT	FRONT		INSTRUMENT PANEL	
FRONT DOOR		Q 13	Q 14	FOOT CONTROLS		UPPER PANEL	
FRONT HARDWARE		Q 15	Q 16	IGNITION KEYS		MID PANEL	
FRONT ARMREST		Q 17	Q 18	REAR VIEW MIRROR		LOWER PANEL	
FRONT GLASS		Q 19	Q 20	SUNVISOR/FITTINGS		ASHTRAY	
REAR DOOR AREA		Q 21	Q 22	(5) LEFT SIDE ONLY (6) RIGHT SIDE ONLY (7) BOTH SIDES		CONTROL KNOBS & LEVERS	
REAR HARDWARE		Q 23	Q 24	WINDSHIELD TOP MOLDINGS		GLOVE COMPARTMENT AREA	
REAR ARMREST		Q 25	Q 26	LEFT A-PILLAR (UPPER OR LOWER)		INSTRUMENTS	
REAR GLASS		Q 27	Q 28	RIGHT A-PILLAR (UPPER OR LOWER)		PARKING BRAKE RELEASE	
ROOF SIDE RAIL		Q 29	Q 30	CENTER CONSOLE		PARKING BRAKE PEDAL	
B-PILLAR		Q 31	Q 32	TRANSMISSION SELECTOR LEVER		A/C OR UPPER VENT OUTLETS	
C-PILLAR		Q 33	Q 34	RIM, HORN, SPOKE		HEATER OR A/C DUCTS	
D-PILLAR		Q 35	Q 36			RADIO	
HEADLINING		Q 37	Q 38			OTHER: * _____	
ROOF STRUCTURE		Q 39	Q 40				
T-ROOF/SUN ROOF		8 41	8 42				
OTHER: *		8 43	8 44				
						REAR	
						WINDOW	
						WINDOW HEADER	
						CONSOLES	
						VERTICAL	
						ROOF	

* MORE THAN ONE ITEM MAY BE NOTED.

Duplicate columns 1-8
from the previous card.Module S I Format 0 2
9 10 11 12

SEATS

ST-1

FRONT SEAT

TYPE OF FRONT SEAT

- (00) NO SEAT
- (01) STANDARD BENCH
- (02) SPLIT BACK, 50-50
- (03) SPLIT BACK, DRIVER WIDE
- (04) SPLIT BACK, PASS. WIDE
- (05) BUCKET
- (06) CAPTAIN'S CHAIR
- (07) INDIV. BENCH, 50-50
- (08) INDIV. BENCH, DRIVER WIDE
- (09) INDIV. BENCH, PASS. WIDE
- (97) OTHER: _____
- (99) UNKNOWN

DRIVER

D 5 D 5
13 14 15 16

PASSENR

TYPE OF SEAT MOUNT

- (1) STANDARD
- (2) PEDESTAL
- (7) OTHER: _____
- (8) NOT APPLICABLE
- (9) UNKNOWN

1 1
17 18

SWIVEL MECHANISM EQUIPPED

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

D 0
19 20

ORIGINAL EQUIPMENT SEATS

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

1 1
21 22CONTACT OF SEAT
BY REAR OCCUPANT

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

8 8
23 24

FRONT SEAT DAMAGE

- (0) NONE
- (1) BACKREST ONLY DAMAGED
- (2) CUSHION ONLY DAMAGED
- (3) BACKREST &
CUSHION DAMAGED
- (8) NOT APPLICABLE
- (9) UNKNOWN

0 0
25 26

CENTER ARMREST DAMAGED

- (0) NO
- (1) YES
- (7) EQUIPPED, DAMAGE UNKNOWN
- (8) NOT APPLICABLE
(NO CENTER ARMREST)
- (9) UNKNOWN IF EQUIPPED

0
27

FRONT SEAT ROTATION

- (0) NONE APPARENT
- (1) FORWARD APPARENT
- (2) REARWARD APPARENT
- (3) LEFT APPARENT
- (4) RIGHT APPARENT
- (5) MULTIPLE ROTATIONS
SPECIFY _____
- (8) NOT APPLICABLE
- (9) UNKNOWN

0 0
28 29

FRONT SEAT-BACK

SEAT-BACK TYPE

- (1) FORWARD FOLDING
- (2) RIGID
- (3) RECLINING
- (7) OTHER: _____
- (8) NOT APPLICABLE
- (9) UNKNOWN

DRIVER

3 3
30 31

SEAT-BACK LOCK TYPE

- (0) NONE
- (1) MANUAL
- (2) INERTIA
- (3) POWER
- (7) OTHER: _____
- (8) NOT APPLICABLE
- (9) UNKNOWN

1 1
32 33

LOCKS HELD

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

1 1
34 35RECLINER MECHANISM
HELD

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

1 1
36 37

HEAD RESTRAINT

HEAD RESTRAINT TYPE

- (0) NONE
- (1) ADJUSTABLE
- (2) INTEGRAL
- (3) NOT INTEGRAL, BUT
CANNOT BE REMOVED
- (7) OTHER: _____
- (8) NOT APPLICABLE
- (9) UNKNOWN

1 1
38 39

REMOVED PRE-CRASH

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

0 0
40 41

ADJUSTMENT AT CRASH

- (1) UP
- (2) DOWN
- (8) NOT APPLICABLE
- (9) UNKNOWN

2 2
42 43

HEAD RESTRAINT DAMAGE

- (0) NONE
- (1) DAMAGED BUT
NOT SEPARATED
- (2) SEPARATED
- (8) NOT APPLICABLE
- (9) UNKNOWN

0 0
44 45

SEATS ST-2

FRONT SEAT ADJUSTMENT		DRIVER	PASSENGER	SECOND SEAT (CONT.)	
SEAT ADJUSTMENT TYPE		- CENTER ARMREST DAMAGED			
(0) NONE (RIGID)		2	1		
(1) MANUAL		46	47		
(2) POWER					
(7) OTHER: _____					
(8) NOT APPLICABLE (NO SEAT)					
(9) UNKNOWN					
ADJUSTMENT PROVIDED		7	1		
(1) 2-WAY		48	49		
(2) 4-WAY					
(3) 6-WAY					
(7) OTHER: <u>8-way</u>					
(8) NOT APPLICABLE					
(9) UNKNOWN					
SEAT ADJUSTER DAMAGE		SECOND SEAT-BACK		LEFT	RIGHT
(0) NONE		0	0		
(1) CHUCKING (FREE PLAY)				FOR THE FOLLOWING, USE:	
(2) DEFORMED (RELEASED/JAMMED)		50	51		
(3) SEPARATED					
(7) OTHER: _____					
(8) NOT APPLICABLE					
(9) UNKNOWN					
SEAT ADJUSTER SEPARATION		LEFT OR CENTER, EQUIPPED		1	D
(0) NONE		8	8	61	62
(1) SEPARATED AT FLOOR					
(2) SEPARATION OF ADJUSTER		52	53	1	8
(3) SEPARATED AT SEAT				63	64
(8) NOT APPLICABLE					
(9) UNKNOWN					
PRE-CRASH POSITION		LEFT OR CENTER, HELD		1	8
(1) FORWARD		2	2	65	66
(2) MIDDLE					
(3) REARWARD		54	55	8	1
(8) NOT APPLICABLE				67	68
(9) UNKNOWN					
SECOND SEAT		RIGHT, EQUIPPED		0	1
TYPE OF SECOND SEAT		RIGHT, HELD		1	0
(0) NONE				69	70
(1) NON-FOLDING					
(2) FOLDING				0	0
(3) CAPTAIN'S CHAIR				71	72
(4) JUMP SEAT					
(5) INTEGRAL CHILD SEAT				0	0
(6) LUGGAGE AREA ACCESS PANEL				73	74
(9) UNKNOWN					
SECOND SEAT DAMAGE		THIRD SEAT			
(0) NONE		EQUIPPED		1	1
(1) BACKREST ONLY (DAMAGED OR LOOSENERED)		BACKREST DAMAGED		69	70
(2) CUSHION ONLY (DAMAGED OR LOOSENERED)		CUSHION DAMAGED		0	0
(3) BACKREST & CUSHION (DAMAGED OR LOOSENERED)				71	72
(4) INTEGRAL CHILD SEAT (PRIORITY CODE)				0	0
(5) LUGGAGE AREA ACCESS PANEL (DAMAGED OR LOOSENERED)				73	74
(8) NOT APPLICABLE					
(9) UNKNOWN					
VEHICLE EQUIPPED WITH REAR HEAD RESTRAINTS		VEHICLE EQUIPPED WITH REAR HEAD RESTRAINTS			
(0) NOT EQUIPPED (OR REMOVED)					
(1) EQUIPPED					
(2) EQUIPPED & DAMAGED					
(8) NOT APPLICABLE (NO REAR SEAT)					
(9) UNKNOWN					
Applies to any rear-seat position					

Duplicate columns 1-8
from the previous card.Module A B Format 0 1
9 10 11 12

AIRBAG AB-1

<p>DRIVER SIDE</p> <p>LOCATION OF AIRBAG</p> <p>STEERING WHEEL</p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>		<p><u>1</u> 13</p> <p><u>1</u> 14</p>	<p>PASSENGER SIDE</p> <p>LOCATION OF AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>		<p><u>1</u> 16</p> <p><u>1</u> 17</p>
<p>CONDITION OF AIRBAG</p> <p>STEERING WHEEL</p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>		<p><u>Q</u> 15</p>	<p>CONDITION OF AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>		<p><u>Q</u> 16</p>
<p>DRIVER SIDE</p> <p>AIRBAG</p> <p>STEERING WHEEL</p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>		<p><u>1</u> 19</p> <p><u>Q</u> 20</p>	<p>PASSENGER SIDE</p> <p>AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>		<p><u>Q</u> 21</p> <p><u>Q</u> 22</p>

AIRBAG AB-2

AIRBAG NUMBER ON DRIVER SIDE:

NOTE AND DESCRIBE ANY AIRBAG CONTACT OR
DAMAGE ON DIAGRAM BELOW:

61 Wide

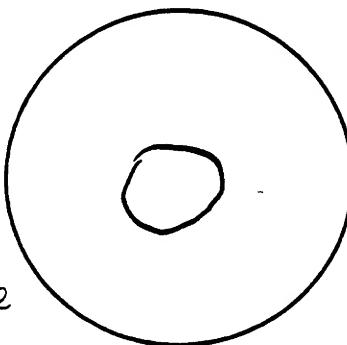
53 Tall

2 vent holes

at 11 & 1:00

Air bag flaps = 10.5 tall
cm

7.5 cm wide



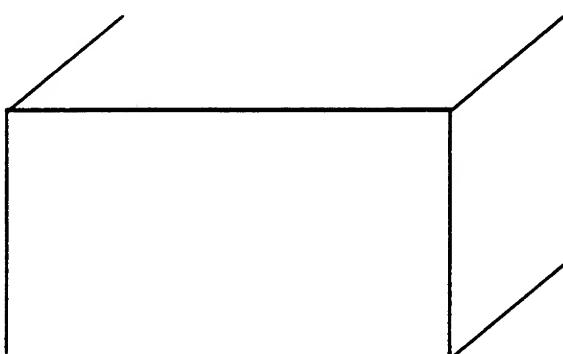
AIRBAG NUMBER ON PASSENGER SIDE:

NOTE AND DESCRIBE ANY AIRBAG CONTACT OR
DAMAGE ON DIAGRAM BELOW:Vent holes at
3:00 & 9:00

Seam → Seam

57 wide

40cm tall



NOTE TO THE INVESTIGATOR:

THE FOLLOWING TWO SECTIONS,
OCCUPANT INFORMATION AND INJURY CLASSIFICATION,
ARE TO BE FILLED IN
FOR EACH CASE VEHICLE OCCUPANT,
WHETHER INJURED OR NOT.

IF THERE IS MORE THAN ONE OCCUPANT,
USE ADDITIONAL COPIES
OF PAGES OC-1, OC-2, OC-3,
AND IC-2 TO DESCRIBE THEM
AND ATTACH THE COPIES TO THIS REPORT.

Duplicate columns 1-8 from the previous card.		Module <u>0</u> <u>9</u> <u>C</u> <u>10</u> Format <u>0</u> <u>11</u> <u>2</u> <u>12</u>	OCCUPANT INFORMATION OC-1	
OCCUPANT IDENTIFICATION OCCUPANT NUMBER ROLE OF OCCUPANT AT 1ST IMPACT (1) MOTOR VEHICLE DRIVER (2) MOTOR VEHICLE PASSENGER <i>(NOT DRIVER)</i> (9) UNKNOWN		<u>0</u> <u>1</u> <u>1</u> <u>1</u>	PHYSICAL DESCRIPTION AGE IN YEARS (00) LESS THAN 1 YEAR (98) 98 YEARS OR OLDER (99) UNKNOWN AGE IN MONTHS (00) LESS THAN 1 MONTH (25) 25 MONTHS OR OLDER (99) UNKNOWN MASS (kg) (999) UNKNOWN <u>(210 16)</u> HEIGHT (cm) (999) UNKNOWN <u>(5 ft 11 in)</u> SEX (1) MALE (2) FEMALE (9) UNKNOWN	
OCCUPANT POSITION ROW LOCATION (1) FRONT (2) SECOND (3) THIRD (4) FOURTH (7) OTHER: _____ (8) EXTERNAL TO PASSENGER COMPARTMENT (E.G. BED OF PICKUP) (9) UNKNOWN		<u>1</u> <u>1</u>	<u>0 95</u> <u>1 80</u> <u>1</u>	
LATERAL LOCATION (1) LEFT (2) LEFT CENTER (3) CENTER (4) RIGHT CENTER (5) RIGHT (6) ALL (LYING ON SEAT) (8) EXTERNAL TO PASSENGER COMPARTMENT (9) UNKNOWN		<u>1</u> <u>1</u>	MEDICAL CONDITIONS TREATMENT/MORTALITY (00) NONE (01) FIRST AID AT SCENE (02) TREATED AT HOSPITAL/CLINIC BUT NOT ADMITTED (03) HOSPITALIZED FOR OBSERVATION LESS THAN 24 HOURS (04) HOSPITALIZED OVER 24 HOURS OR FOR SIGNIFICANT TREATMENT (05) FATAL, DEAD AT SCENE (06) FATAL, DOA (07) FATAL, DEAD WITHIN 24 HOURS (08) FATAL, DEAD 24 HOURS TO 31 DAYS LATER (09) FATAL, DEAD 31 DAYS TO 1 YEAR LATER (10) FATAL DEAD WITHIN UNKNOWN PERIOD (99) UNKNOWN	
POSTURE (10) SITTING ON SEAT (11) SITTING ON SEAT IN ABNORMAL POSITION (E.G. FEET ON DASH, SIDEWAYS) (12) SITTING ON CONSOLE (20) ON LAP OR IN ARMS (30) STANDING ON SEAT (40) STANDING ON FLOOR (47) STANDING, EXTERNAL TO PASSENGER COMPARTMENT (50) IN BASSINET (60) IN CHILD SEAT (65) IN CHILD HARNESS (70) LYING ON SEAT (80) LYING/SITTING ON PASSENGER FLOOR (83) LYING/SITTING ON OTHER OBJECT IN PASSENGER COMPARTMENT: _____ (85) ON CARGO FLOOR/FOLDED SEAT-BACK (87) LYING/SITTING, EXTERNAL TO PASSENGER COMPARTMENT (97) OTHER: _____ (99) UNKNOWN		<u>10</u> <u>18</u> <u>19</u>	INJURY SEVERITY SCORE (ISS) (99) UNKNOWN <u>0 0</u>	
			NON-IMPACT MED. CONDITIONS (0) NONE (1) YES, TIME & TYPE UNKNOWN (2) PRE-CRASH FATAL (CLINICAL DEATH AT WHEEL) (3) PRE-CRASH NON-FATAL (E.G. PRIOR INJURY, STROKE) (4) PREGNANT (5) POST-CRASH FATAL (DROWNING) (6) POST-CRASH NON-FATAL INJURY (7) OTHER: _____ (8) COMBINATION OF ABOVE (CIRCLE EACH) (9) UNKNOWN	

OCCUPANT INFORMATION OC-2

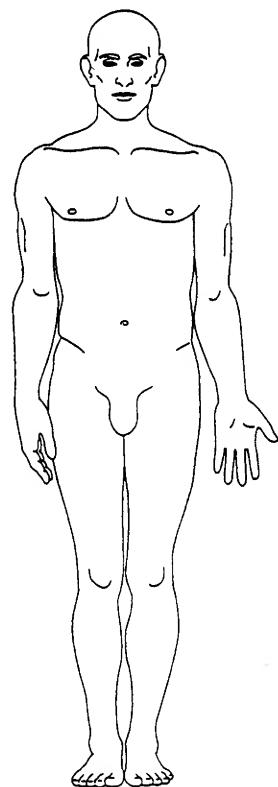
MEDICAL CONDITIONS (CONT.)		1	CHILD SEAT TYPE	8 8
POLICE INJURY SEVERITY CODE FOR THIS OCCUPANT		36	(00) NONE USED (01) YES, USED (02) INTEGRAL, Chrysler Mini-van (88) NOT APPLICABLE (ADULT OR OLDER CHILD) (99) UNKNOWN	41 42
(0) O - NO INJURY (1) C - POSSIBLE INJURY (2) B - NON-INCAPACITATING (3) A - INCAPACITATING INJURY (4) K - FATAL (5) INJURED, SEVERITY UNKNOWN (6) DIED PRIOR TO IMPACT (7) NON-FATAL INJURY, SEVERITY UNKNOWN (9) UNKNOWN				
RESTRAINT SYSTEM			CHILD SEAT MAKE/MODEL	
ACTIVE RESTRAINT SYSTEM		3		
(0) NONE (1) LAP BELT (2) SHOULDER HARNESS ONLY (3) BOTH LAP BELT & SHOULDER HARNESS (9) UNKNOWN		37	DEGREE OF EJECTION	0 43
(0) NONE (AVAILABLE BUT NOT USED) (1) LAP BELT ONLY (2) SHOULDER HARNESS ONLY (3) BOTH LAP BELT & SHOULDER HARNESS (7) IMPROPER USAGE (8) NOT APPLICABLE (NONE AVAILABLE) (9) UNKNOWN		38	(0) NONE (1) PARTIAL (2) COMPLETE (7) EJECTED, DEGREE UNKNOWN (9) UNKNOWN IF EJECTED	44 45
ACTIVE RESTRAINT SYSTEM USAGE		3	AREA OF EJECTION	9 8
(0) NONE (AVAILABLE BUT NOT USED) (1) LAP BELT ONLY (2) SHOULDER HARNESS ONLY (3) BOTH LAP BELT & SHOULDER HARNESS (7) IMPROPER USAGE (8) NOT APPLICABLE (NONE AVAILABLE) (9) UNKNOWN		38	(01) WINDOW, LEFT SIDE (02) WINDOW, RIGHT SIDE (03) WINDOW, REAR (04) DOOR, LEFT SIDE (05) DOOR, RIGHT SIDE (06) DOOR, REAR OR TAILGATE (07) WINDSHIELD (08) ROOF OR OPEN CONVERTIBLE OR FROM EXTERNAL AREA (96) EJECTED AREA UNKNOWN (97) OTHER AREA: _____ (98) NOT APPLICABLE (NOT EJECTED) (99) UNKNOWN IF EJECTED	44 45
PASSIVE RESTRAINT SYSTEM		1	IF OCCUPANT WAS EJECTED, DESCRIBE IN DETAIL BELOW:	
(0) NONE (1) AIRBAG INSTALLED (2) PASSIVE UPPER TORSO WITH KNEE BOLSTERS (3) PASSIVE UPPER TORSO WITHOUT KNEE BOLSTERS (4) PASSIVE LAP & UPPER TORSO (5) AIRBAG INSTALLED & PASSIVE RESTRAINT (7) OTHER: _____ (9) UNKNOWN		39	_____ _____ _____	
PASSIVE RESTRAINT SYSTEM USAGE		2	HEAD RESTRAINT	
(0) SYSTEM DEFEATED (1) AIRBAG NOT DEPLOYED (2) AIRBAG DEPLOYED (3) AIRBAG NOT REINSTALLED (4) PASSIVE UPPER TORSO USED (5) PASSIVE LAP & UPPER TORSO USED (6) SYSTEM USED IN MANUAL MODE (7) IMPROPER USAGE (8) NOT APPLICABLE (NOT ORIGINALLY EQUIPPED) (9) UNKNOWN		40	HEAD RESTRAINT AVAILABLE FOR THIS POSITION	
			(0) NOT EQUIPPED OR REMOVED (1) EQUIPPED (9) UNKNOWN	1 46

OCCUPANT INFORMATION OC-3

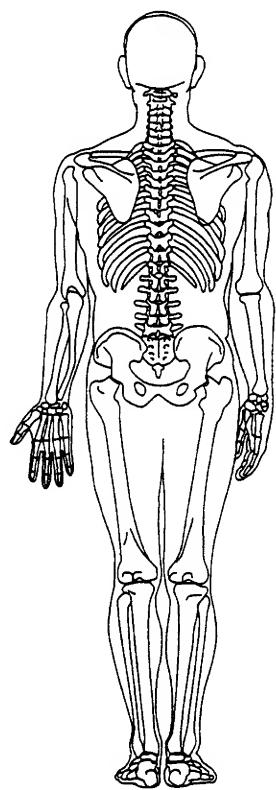
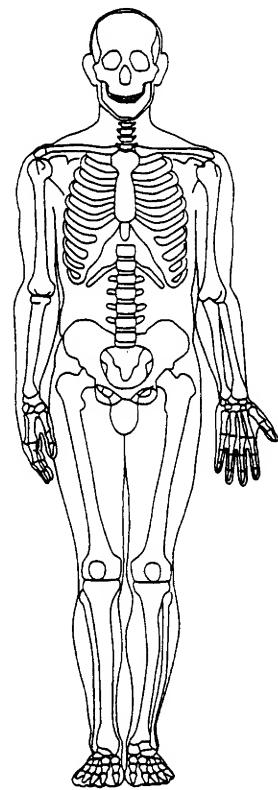
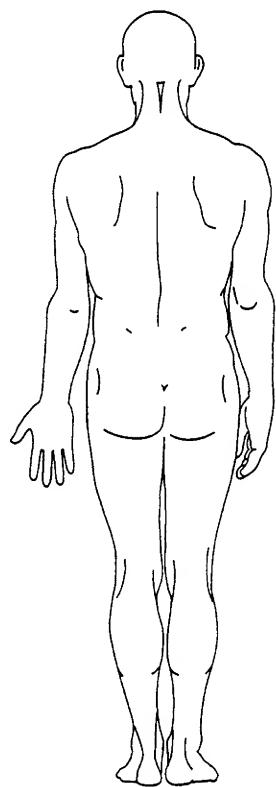
OCCUPANT EYEWEAR		SOURCE OF INFORMATION
(0) NONE (1) GLASSES (2) CONTACTS (3) BOTH GLASSES AND CONTACTS (4) OTHER _____ (8) NOT APPLICABLE (9) UNKNOWN	<i>B</i> 47	(0) INTERVIEW (1) HOSPITAL (2) AUTOPSY (3) POLICE (4) OTHER _____ (5) LAY CORONER/EXTERNAL EXAM (7) COMBINATION OF ABOVE (CIRCLE) (8) NOT APPLICABLE (9) UNKNOWN

O
48

OCCUPANT INFORMATION OC-4



No Injury



INJURY CLASSIFICATION IC-1

**NOTE: Each line in the table below is a separate record (card).
Duplicate columns 1 - 12 for each completed line.**

OCCUPANT INJURY CLASSIFICATION

NOTE: USE ADDITIONAL PAGES IF NECESSARY.

CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

FRONT OF PASSENGER COMPARTMENT

- (10) SUNVISOR, FITTING(S) & OR TOP MOLDING
- (12) WINDSHIELD
- (05) INSTRUMENT PANEL (SPECIFIC AREA UNKNOWN)
- (54) UPPER INSTRUMENT PANEL (X)
- (55) MIDDLE INSTRUMENT PANEL (Y)
- (56) LOWER INSTRUMENT PANEL (Z)
- (81) ASH TRAY (INSTRUMENT PANEL)
- (02) GLOVE COMPARTMENT AREA
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE
- (28) FOOT CONTROLS (INCL. PARKING BRAKE PEDAL)
- (09) STEERING ASSEMBLY (SPECIFIC AREA UNKNOWN)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN
- (03) HARDWARE ITEM (SPECIFIC AREA UNKNOWN)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (FRONT)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (BUILT IN)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (68) ROOF MOUNTED CONTROLS/CONSOLES

REAR

- (88) SURFACE OF REAR INTERIOR
- (23) REAR WINDOW
- (39) REAR WINDOW HEADER
- (50) REAR SEAT CUSHION & BACK

INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (LOCATION UNK.)
- (59) TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (LOCATION UNKNOWN)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (INCL. PARKING BRAKE PEDAL)
- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM
- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (AIRBAG)
- (47) AIRBAG (ACRS) COMPARTMENT DOOR/COVER
- (46) AIRBAG GAS
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (FROM ANY SOURCE)
- (41) UNKNOWN INTERIOR SURFACE

SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK
- (22) WINDOW GLASS (SIDE)
- (21) WINDOW FRAMES (SIDE)
- (26) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (INCL. PARKING BRAKE PEDAL)
- (91) KICKPANEL

ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) & OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (SPECIFIC AREA UNKNOWN)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE (E.G. OUTSIDE MIRRORS, ANTENNA, TRIM)
- (62) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (SPECIFIC AREA UNK.)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (E.G. OUTSIDE MIRRORS, ANTENNA, TRIM)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (76) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.)

PENETRATING OBJECTS

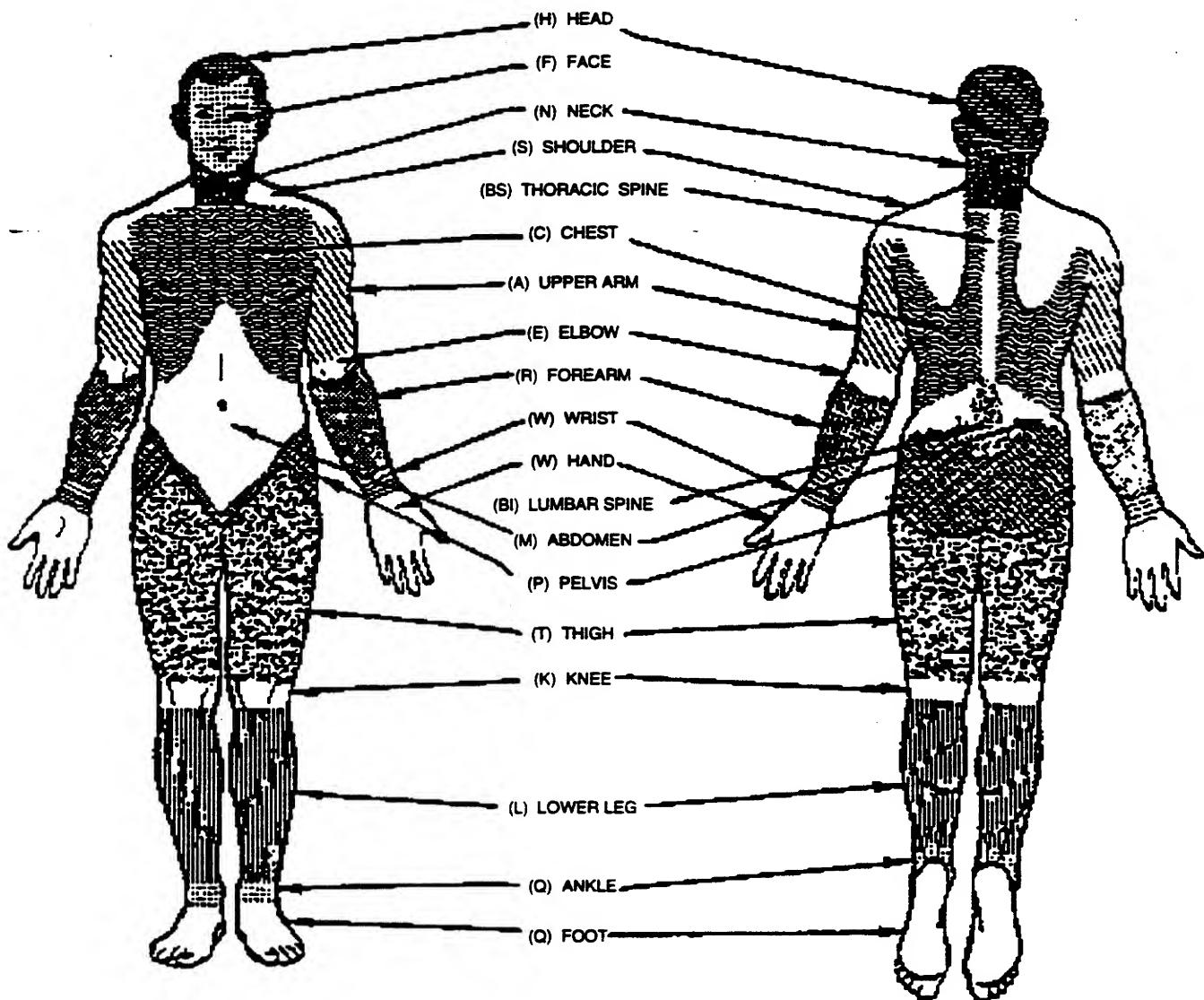
- (61) OTHER VEHICLE
- (72) OBJECTS (DESCRIBE)

MISCELLANEOUS

- (00) NO CONTACT (INVALID FIELD FORM CODE)
- (38) OTHER (E.G. FIRE. DESCRIBE)
- (90) SPARE TIRE
- (96) INDUCED
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT

INJURY CLASSIFICATION IC-3

THE FIGURE BELOW
IS AN EXPLANATION OF THE BODY REGION CODES
LISTED ON PAGE IC-4.



INJURY CLASSIFICATION IC-4

CODES FOR OCCUPANT INJURY CLASSIFICATION (OIC)

1 BODY REGION

- (H) HEAD/SKULL
- (F) FACE
- (N) NECK
- (S) SHOULDER
- (X) UPPER EXTREMITIES
- (A) ARM (UPPER)
- (E) ELBOW
- (R) FOREARM
- (W) WRIST/HAND
- (C) CHEST
- (M) ABDOMEN
- (B) BACK
- (P) PELVIC/HIP
- (Y) LOWER EXTREMITIES
- (T) THIGH
- (K) KNEE
- (L) LEG (LOWER)
- (Q) ANKLE/FOOT
- (O) WHOLE BODY
- (U) UNKNOWN

3 LESION

- (L) LACERATION
- (C) CONTUSION
- (A) ABRASION
- (F) FRACTURE
- (P) PERFORATION, PUNCTURE
- (K) CONCUSSION
- (V) AVULSION
- (R) RUPTURE
- (S) SPRAIN
- (D) DISLOCATION
- (N) CRUSH
- (M) AMPUTATION
- (B) BURN
- (G) DETACHMENT, SEPARATION
- (Z) FRACTURE AND DISLOCATION
- (T) STRAIN
- (E) TOTAL SEVERANCE, TRANSECTION
- (O) OTHER
- (U) UNKNOWN

4 SYSTEM/ORGAN

- (S) SKELETAL
- (V) VERTEBRAE
- (J) JOINTS
- (D) DIGESTIVE
- (L) LIVER
- (N) NERVOUS SYSTEM
- (B) BRAIN
- (C) SPINAL CORD
- (E) EARS
- (O) EYES
- (A) ARTERIES
- (H) HEART
- (Q) SPLEEN
- (G) UROGENITAL
- (K) KIDNEYS
- (R) RESPIRATORY
- (P) PULMONARY/LUNGS
- (M) MUSCLES
- (T) THYROID, OTHER ENDOCRINE GLAND
- (I) INTEGUMENTARY (SKIN)
- (W) ALL SYSTEMS IN REGION
- (U) UNKNOWN

2 ASPECT

- (R) RIGHT
- (L) LEFT
- (B) BILATERAL
- (C) CENTRAL
- (A) ANTERIOR/FRONT
- (P) POSTERIOR/BACK
- (S) SUPERIOR/UPPER
- (I) INFERIOR/LOWER
- (W) WHOLE REGION
- (U) UNKNOWN

BODY REGION	ASPECT	LESION	SYSTEM/ORGAN			SEVERITY
			1	2	3	

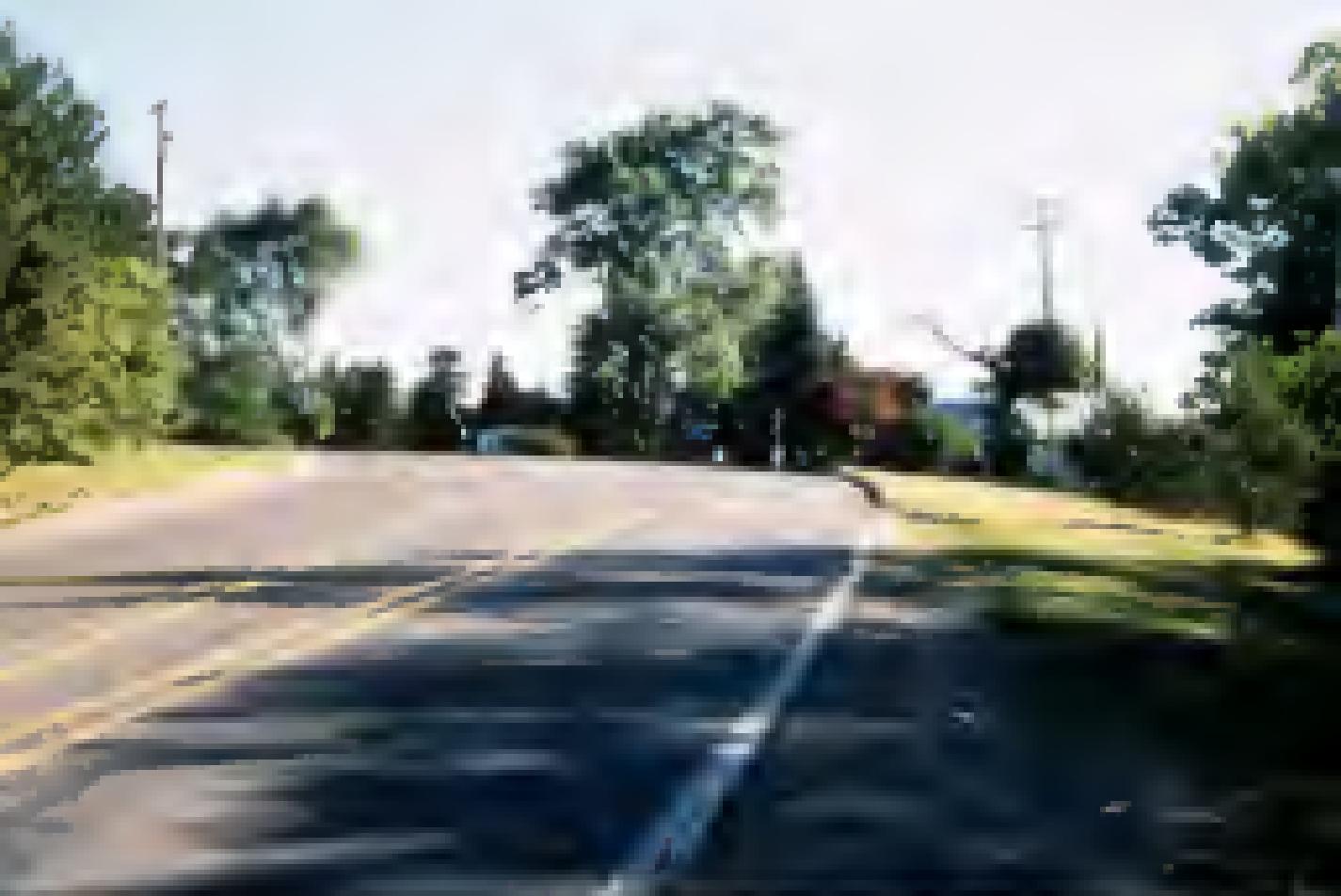
5 SEVERITY (OR "AIS", ABBREVIATED INJURY SCALE)

- (0) NONE
- (1) MINOR
- (2) MODERATE
- (3) SERIOUS
- (4) SEVERE
- (5) CRITICAL
- (6) MAXIMUM
- (9) UNKNOWN

PN 3710-98
1998 Q4C
Bolivia 2000-2001
10 year forecast
1990 World Bank Commodity price data

Real GDP
GDP
GDP
Inflation





PN3710-98 #2



PN 3710-98 #3



PN3710-98 #4



PN 3710-98 #5



PN 3710-98 #8



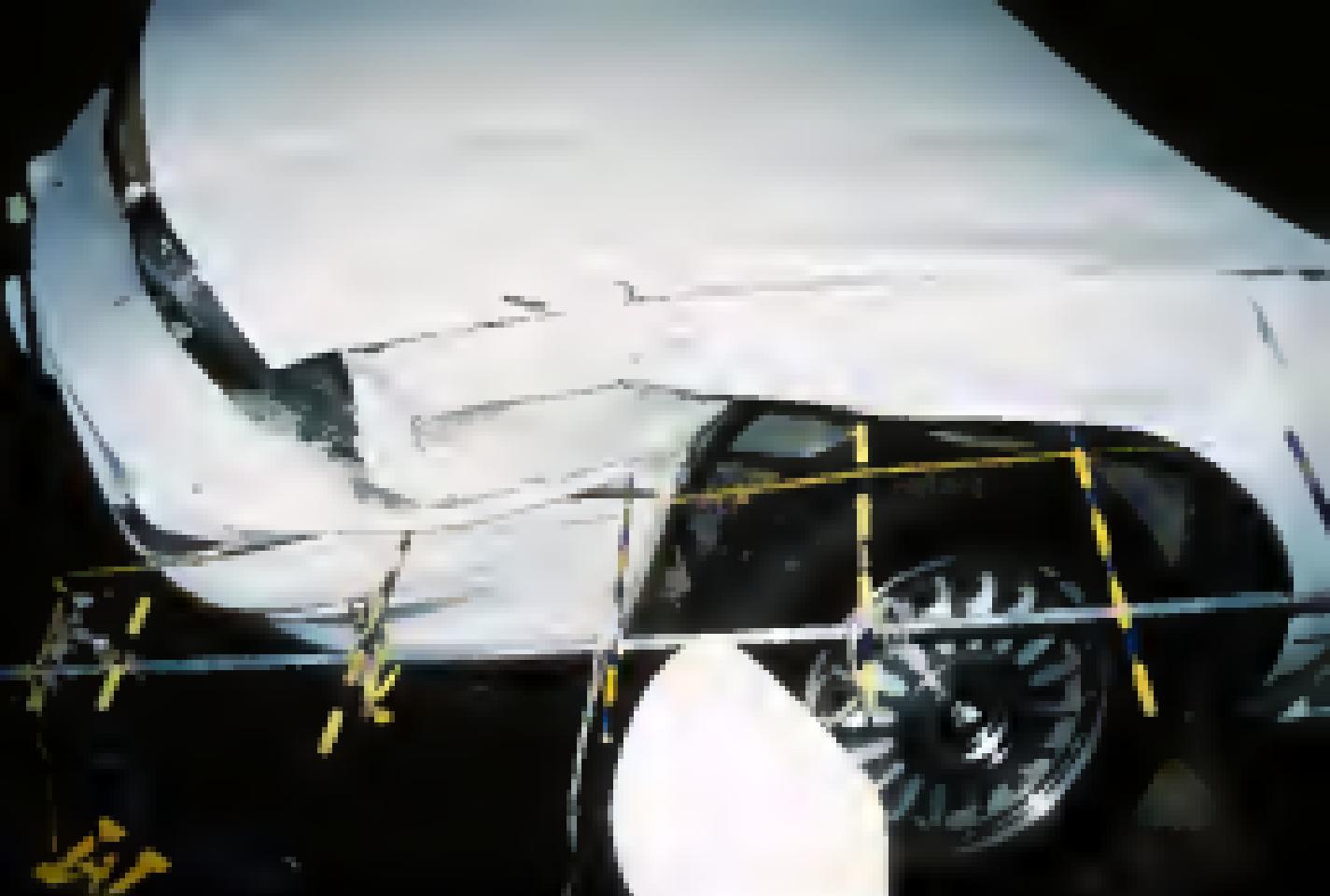
PN 3710-98 #7
Best Available



PN 3710-98 #8
Best Available



PN3710-98 49



PN3710-08 #10



PN3710-98 #11



PN 3710-98 #12



PN 3710-96 #13

Best Available



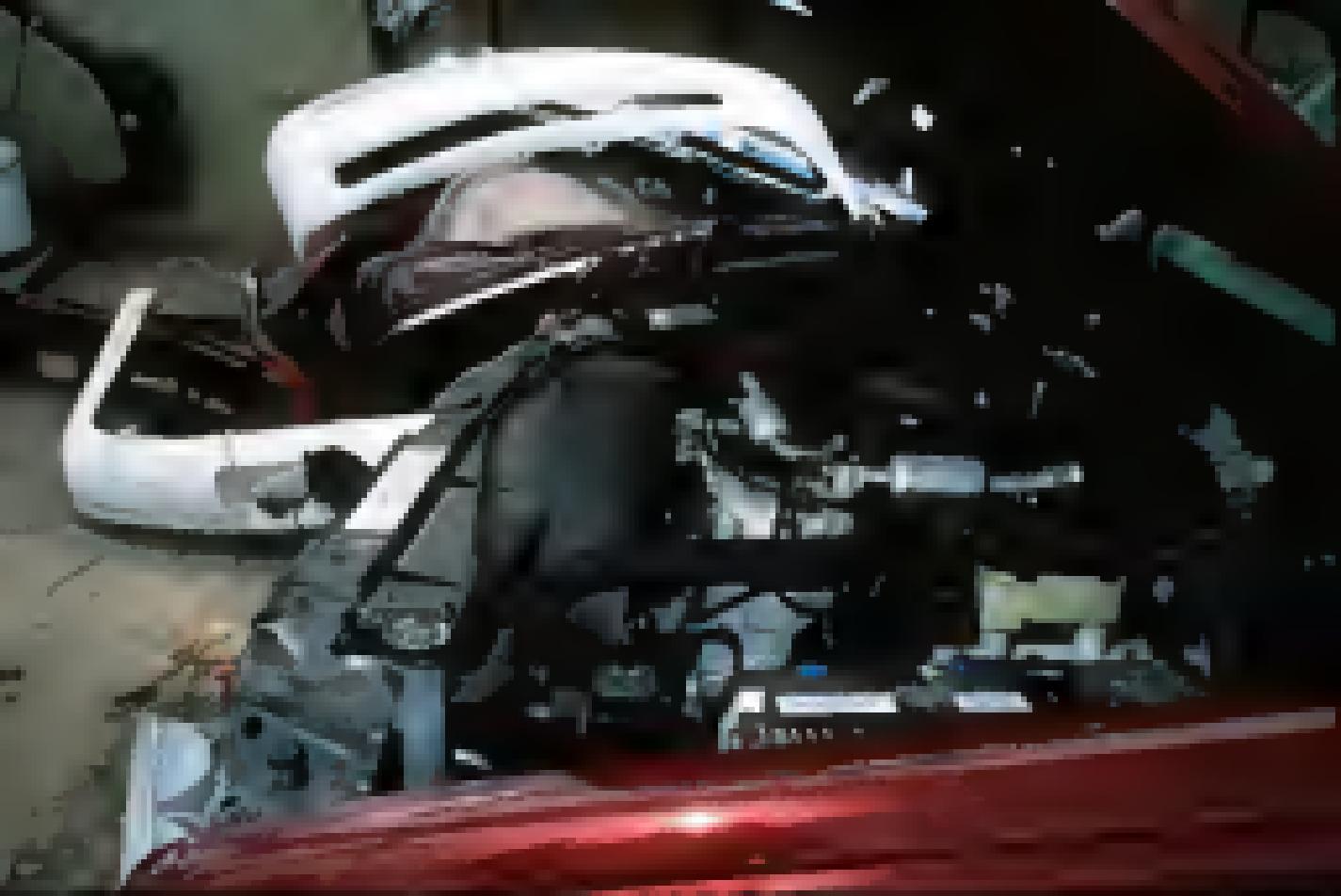
PN 3710-98 #14
Best Available



PN 3710-98 #15



PN 3710-98 #16



PN3710-98 #17



PN 3710-98 #18
Best Available



PN 3710-98 #10



PN 3710-98 #20



PN 3710-88 #21



PN3710-98 #22



PN3710-96 #23
Best Available



PN 3710-98 824



PN3710-98 #25



PN 3710-88 #26



FN 3710-98 427



PN3710-88 #28



PN 3710-98 #29



PN 3710-68 #30



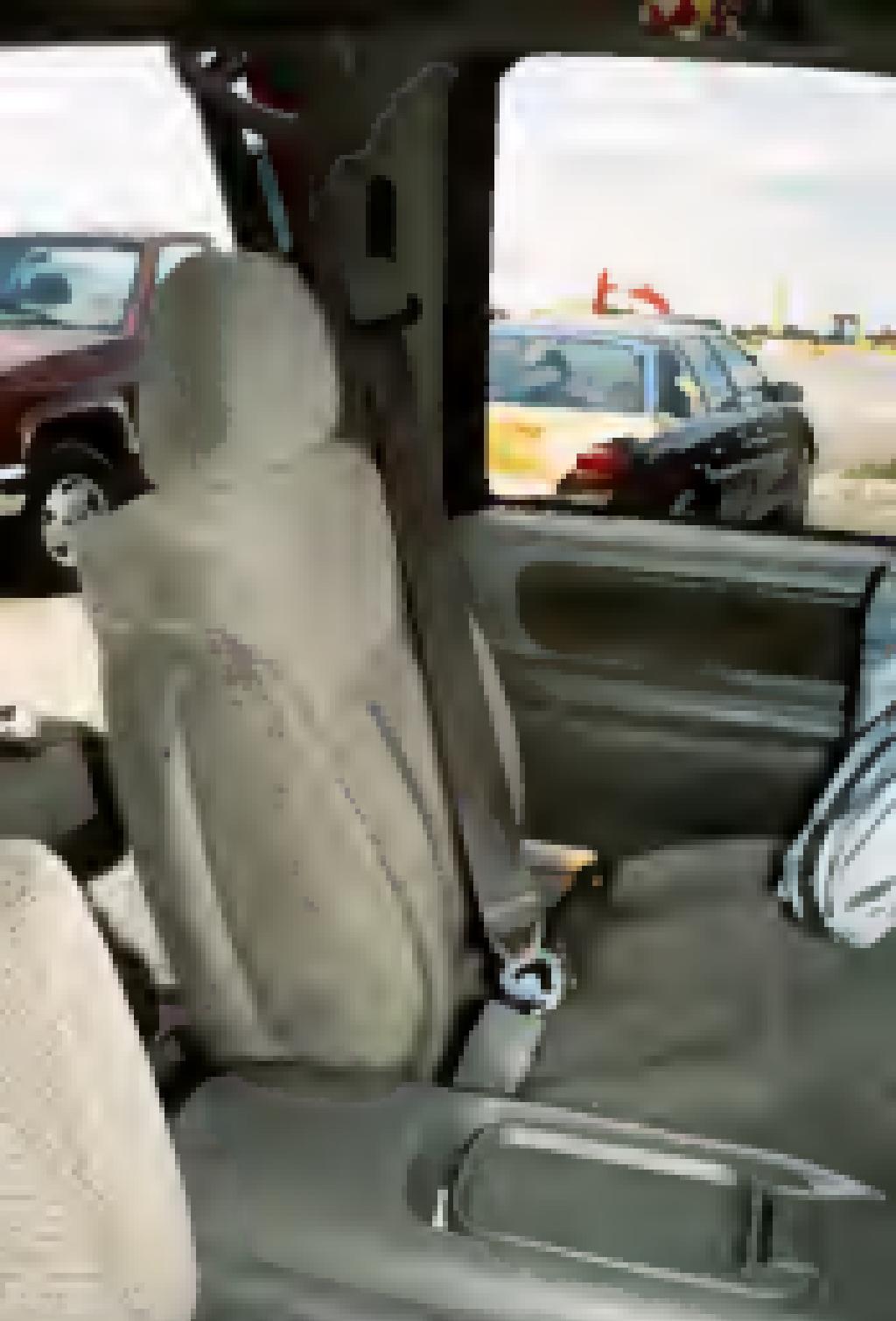
PN 3710-98 #31



PN 3710-98 #32



PN 3710-98 #33



PN 3710-98 #34



PN 3710-98 #35

卷之三

REFERENCES AND NOTES

ANSWER

更多資訊請上 www.104.com.tw 或撥打 104 服務專線 02-2787-3734

3. **What is your role in the project?**

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100